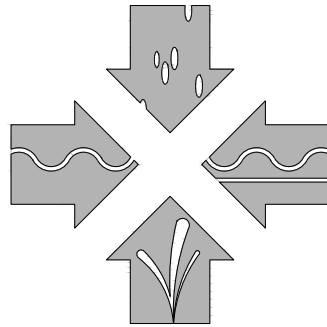


APPENDIX 1



CENTRAL BASIN MUNICIPAL WATER DISTRICT

CONSTRUCTION DRAWINGS FOR PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

APPROVED BY:
CENTRAL BASIN MUNICIPAL WATER DISTRICT

ELAINE JUNG, P.E. _____ DATE
INTERIM GENERAL MANAGER

REVIEWED BY:
THE CITY OF HUNTINGTON PARK

CESAR ROLDAN _____ DATE
DIRECTOR OF PUBLIC WORKS

REVIEWED BY:
THE CITY OF SOUTH GATE

ARTURO CERVANTES _____ DATE
DIRECTOR OF PUBLIC WORKS

JULY 2024

PROJECT NO. REX 1007
SPECIFICATION NO. CB-05-82

REVIEWED BY:
THE CITY OF HAWAIIAN GARDENS

NEEMA GHANBARI _____ DATE
MANAGER OF PUBLIC WORKS

REVIEWED BY:
THE CITY OF LAKEWOOD

DEREK NGUYEN _____ DATE
DIRECTOR OF WATER RESOURCES

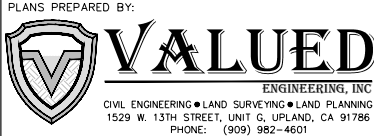
SUBMITTED BY:
VALUED ENGINEERING, INC

JEFF MEITER R.C.E. 64696 EXP. 06/30/2025 _____ DATE
PRESIDENT



Know what's below.
Call before you dig.

REV	DATE	BY	DESCRIPTION	APPD



DESIGNED BY:	JDM	DATE:	05/01/2024
DRAWN BY:	CM/KK/RSM	DATE:	05/02/2024
CHECKED BY:	JDM	DATE:	05/03/2024
APPROVED:	ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:	

CENTRAL BASIN MUNICIPAL WATER DISTRICT
P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

TITLE SHEET

DRAWING No.

C-1

SHEET No. 1 OF 37

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GENERAL NOTES

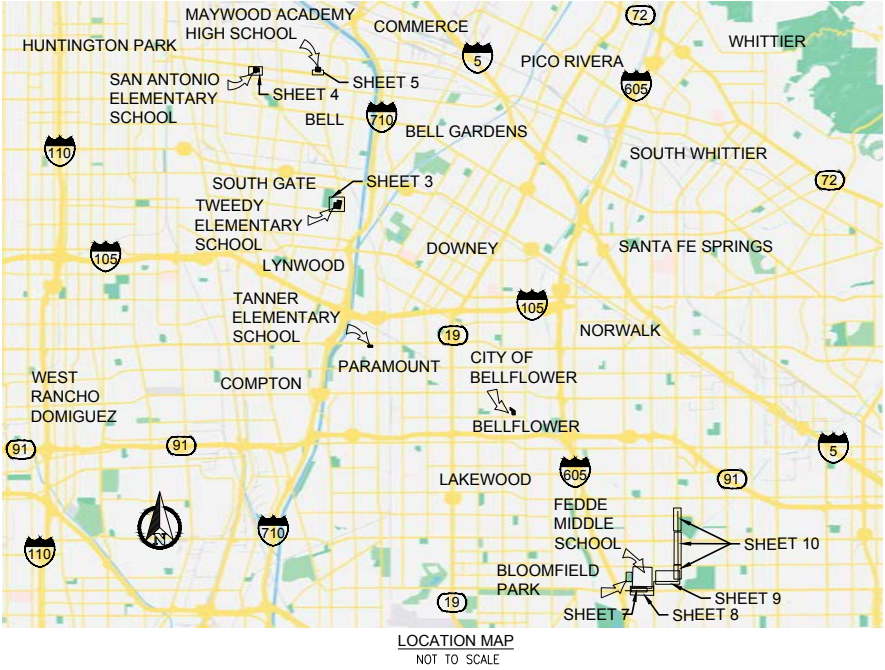
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD HARMLESS CENTRAL BASIN MUNICIPAL WATER DISTRICT AND CITY OF SOUTH GATE, CITY OF HUNTINGTON PARK, CITY OF MAYWOOD, CITY OF HAWAIIAN GARDENS, CITY OF LAKEWOOD, THEIR EMPLOYEES, AGENTS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATION FOR PUBLIC WORK CONSTRUCTION, THE CENTRAL BASIN MUNICIPAL WATER DISTRICT STANDARD SPECIFICATIONS FOR PIPELINE CONSTRUCTION, ALL APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS, AND IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, ALL TO SATISFACTION OF THE CENTRAL BASIN MUNICIPAL WATER DISTRICT.
- CONTRACTOR SHALL BE RESPONSIBLE TO REPORT DISCREPANCIES IN PLANS AND/OR FIELD CONDITIONS IMMEDIATELY TO THE DISTRICT AND THE DESIGN ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR DISCREPANCIES NOT SO REPORTED AND RESOLVED.
- THE CONTRACTOR SHALL PERFORM A UTILITY SEARCH FOR THE PROJECT AREA. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND ANY OTHER LINES OR STRUCTURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESPECTIVE UTILITIES AND UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA (811) TO DETERMINE THE EXACT FIELD LOCATION OF UTILITIES WHICH MAY CONFLICT WITH THE WORK.
- THE CONSTRUCTION DRAWINGS SHOW THE GENERAL LOCATION AND DEPTH OF UNDERGROUND UTILITIES BASED ON THE BEST INFORMATION AVAILABLE TO CBMWD. CBMWD DOES NOT GUARANTEE THE LOCATION OR DEPTH OF UNDERGROUND UTILITIES IN AREAS REQUIRING EXCAVATION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES, PAVEMENT, CURBS, TRAFFIC STRIPING, MARKS AND MARKINGS, TRAFFIC SIGNAL DETECTOR LOOPS, STRUCTURES, TREES, AND IRRIGATION SYSTEMS, AS A RESULT OF HIS OPERATION AND CONSTRUCTION OF THE PROPOSED WORK AND WILL BE REQUIRED TO REPAIR OR REPLACE SAME TO THE SATISFACTION OF, AND AS DIRECTED BY CBMWD, THE ENGINEER, UTILITY COMPANY OR PROPERTY OWNER AND THE CITY.
- THE CONTRACTOR SHALL HAVE COPIES OF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ON THE PROJECT SITE AT ALL TIMES AND HE SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN SANITARY FACILITIES ON THE SITE.
- THE CONTRACTOR SHALL COOPERATE WITH CONTRACTORS PERFORMING OTHER CONSTRUCTION WORK IN AREAS ADJACENT TO THE PROJECT SITE.
- THE CONTRACTOR SHALL MAINTAIN DUST CONTROL AT ALL TIMES. DUST SHALL BE CONTROLLED BY WATERING.
- THE WALLS AND FACE OF ALL EXCAVATIONS FIVE (5) FEET OR GREATER IN DEPTH SHALL BE EFFECTIVELY GUARDED BY SHORING SYSTEM, SLOPING OF THE GROUND, OR OTHER EQUIVALENT MEANS. TRENCHES OR EXCAVATIONS LESS THAN FIVE (5) FEET IN DEPTH SHALL ALSO BE GUARDED WHEN EXAMINATION BY A COMPETENT PERSON INDICATES THAT HAZARDOUS GROUND MOVEMENT MAY BE EXPECT. THE CONTRACTOR SHALL OBTAIN A PERMIT TO PERFORM EXCAVATION OR TRENCH WORK AS DESCRIBED FROM CAL-OSHA. THE CONTRACTOR SHALL SUBMIT A SHORING PLAN PREPARED BY A REGISTERED CIVIL ENGINEER AS REQUIRED PER SEC 7-10.4.1 OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION AND PER CONTRACT DOCUMENTS.
- ALL BURIED FITTINGS, VALVES, COUPLINGS AND APPURTENANCES SHALL BE COATED WITH NO-OX-ID COMPOUND, WRAPPED WITH NO-OX-ID TAPE, AND ENCASED WITH POLYETHYLENE CEMENT COATING.
- BURIED JOINING HARDWARE USED FOR FLANGED CONNECTIONS & FLEX/TRANSITION COUPLINGS AND ALL BURIED NUTS AND BOLTS SHALL BE TYPE 316 STAINLESS STEEL.
- HYDROSTATIC TESTS SHALL BE COMPLETE AND ACCEPTABLE PRIOR TO CONSTRUCTING SYSTEM CONNECTIONS.
- STREET PAVING SHALL BE RESTORED PER CBMWD – STD NO RW 18.
- A MAXIMUM OF 500 LINEAL FEET OF STEEL TRENCH PLATES SHALL BE USED ON THE PROJECT AT ANY GIVEN TIME.
- BACKFILL TRENCH ZONE WITH NATIVE EARTH BACKFILL PER TRENCHING, BACKFILLING AND COMPACTING SPECIFICATION. INSTALL CEMENT SLURRY BACKFILL WHERE NOTED ON PLANS. THE CONTRACTOR HAS THE OPTION OF BACKFILLING WITH SAND-CEMENT SLURRY IN LIEU OF NATIVE OR IMPORTED MATERIALS AT ITS DISCRETION AT NO ADDITIONAL COST.
- SOME ABANDONED UTILITIES MAY BE SHOWN BASED ON INFORMATION PROVIDED BY UTILITY OWNERS. NO ATTEMPT HAS BEEN MADE TO IDENTIFY OR SHOW ALL ABANDONED UTILITIES.
- POTHOLE DATA PROVIDED IS FOR DESIGN PURPOSES AND IS SHOWN AS APPROXIMATE ELEVATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL UTILITY LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND ACQUIRING STAGING OR MATERIAL STOCK PILE AREA, SUBJECT TO APPROVAL OF THE DISTRICT AND THE APPROPRIATE CITY.

RECYCLED WATER NOTES

- STATIONS SHOWN ARE ALONG THE CENTERLINE OF THE PIPELINE.
- HORIZONTAL ELEVATIONS SHOWN ON PIPELINE PROFILE APPLY TO INVERT OF PIPE OR INVERT OF POINTS OF INTERSECTION OF SLOPE CHANGES.
- THE CONTRACTOR SHALL ADD FITTINGS AS REQUIRED TO AVOID EXISTING UTILITIES. ANY CHANGES IN ALIGNMENT OR PROFILES SHALL BE APPROVED BY THE ENGINEER. ENGINEER SHALL BE NOTIFIED 2 WORKING DAYS PRIOR.
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (U.S.A.) AT 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO STARTING WORK.
- USE THRUST BLOCK AT ALL LOCATIONS INDICATED ON THE PLANS AS REQUIRED.
- THE CONTRACTOR SHALL SUBMIT A SHORING PLAN PREPARED BY A REGISTERED CIVIL ENGINEER AS REQUIRED PER CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL POTHOLE AND LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OF THE PIPELINES AND/OR THE PREPARATION OF SHOP DRAWINGS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE LIABLE FOR ANY ADDITIONAL COST REQUIRED IN THE EVENT THAT HE HAS NOT CORRECTLY LOCATED.
- CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POINTS OF CONNECTION PRIOR TO SUBMITTING PIPE FABRICATION DRAWINGS.
- THE CONTRACTOR SHALL CONFINe ALL OF HIS ACTIVITIES TO THE AREAS WITH IN THE EXISTING STREET RIGHT-OF-WAY AND DISTRICTS PROPERTY OR EASEMENTS SHOWN ON THESE PLANS UNLESS THE CONTRACTOR OBTAINS WRITTEN CONSENT FROM THE PROPERTY OWNER.
- CONTRACTOR SHALL REPLACE ALL SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION. SURVEY MONUMENTS SHALL BE RESET BY A CALIFORNIA LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL PROTECT IN PLACE EXISTING SEWER, GAS, WATER LATERALS AND OTHER UTILITIES UNLESS WHETHER OR NOT SHOWN IN PLANS OTHERWISE NOTED. LOCATIONS OF EXISTING UTILITIES AND SUBSTRUCTURES SHOWN THE DRAWINGS ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY EXACT LOCATIONS, ELEVATIONS, AND DIMENSIONS IN THE FIELD PRIOR TO SHOP DRAWING PREPARATION AND/OR CONTRACTION IN THE AREA OF THE SPECIFIC SUB-STRUCTURE.
- SHUTDOWN OF EXISTING UTILITIES SHALL BE COORDINATED WITH THE AFFECTED AGENCY AND THE DISTRICT. AGENCY NOTIFICATION SHALL BE CONFIRMED, AGENCIES SHALL BE NOTIFIED FIVE WORKING DAYS PRIOR TO SHUTDOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES, PAVEMENT, CURB, TRAFFIC STRIPING AND MARKINGS, TRAFFIC DETECTOR LOOPS, STRUCTURES, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS AS A RESULT OR OPERATIONS AND SHALL BE REQUIRED TO REPAIR OR REPLACE SAME TO THE SATISFACTION OF, AND AS DIRECTED BY, THE AFFECTED AGENCY OR ENGINEER.
- ALL TRAFFIC CONDUITS AND LOOPS HAVE NOT BE SHOWN ON THESE PLANS. CONTRACTOR SHALL DETERMINE LOCATION OF ALL IMPACTED FACILITIES AND REPLACE ALL TRAFFIC SIGNAL CONDUITS AND LOOPS DAMAGED OR REMOVED DURING CONSTRUCTION.
- EXISTING OVERHEAD SOUTHERN CALIFORNIA EDISON POWER LINES AND OVERHEAD STREET LIGHT POWER LINES HAVE NOT BEEN SHOWN ON PLANS. CONTRACTOR SHALL IDENTIFY AND PROTECT ALL EXISTING OVERHEAD AND BELOW GRADE UTILITIES.
- EQUIPMENT MUST MAINTAIN 15 FEET RADIAL CLEARANCE (MINIMUM) FROM OVERHEAD HIGH VOLTAGE ELECTRICAL POWER LINES TO PREVENT ARCING OF ELECTRICITY AND POSSIBLE ELECTROCUTION.
- POTHOLE DATA PROVIDED IS FOR DESIGN PURPOSES AND IS SHOWN AS APPROXIMATE ELEVATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL UTILITY LOCATIONS.
- ALL WORK PERFORMED SHALL COMPLY WITH STATE WATER RESOURCE CONTROL BOARD DIVISION OF DRINKING WATER TITLE 22 CHAPTER 16 ARTICLE 4, CALIFORNIA WATERWORKS STANDARDS FOR SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. FOR PARALLEL PIPES, THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE EDGE OF RECYCLED WATER PIPE AND EDGE OF POTABLE WATER PIPES SHALL BE NO LESS THAN 4 FEET. THE CROSSING PIPES SHALL HAVE A VERTICAL SEPARATION OF AT LEAST 1 FOOT. PARALLEL OR CROSSING PIPE SHALL BE CONSTRUCTED PER CBMWD STD RW-21.
- IF AN EXISTING UTILITY REQUIRES RELOCATION IN ADDITION TO THOSE IDENTIFIED IN THE CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ENGINEER AND IMPACTED AGENCY A MINIMUM OF 5 WORKING DAYS PRIOR TO THE RELOCATION. UTILITY RELOCATION SHALL BE APPROVED BY AFFECTED AGENCY AND ENGINEER.
- CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 12 INCHES BETWEEN THE OUTSIDE OF THE RECYCLED WATER PIPELINE AND THE OUTSIDE OF ANY OTHER UTILITY. WHEN THE PIPE IS ENCASED, THE MINIMUM SEPARATION APPLIES TO THE DISTANCE FORM THE OUTSIDE OF THE CASING TO THE OUTSIDE OF THE OTHER UTILITIES.
- BURIED HIGH PRESSURE GAS AND LIQUID GAS LINES EXIST IN THE PROJECT ARE. EXERCISE CAUTION WHEN EXCAVATING. THE OWNER(S) OF THESE GAS LINES SHALL BE IDENTIFIED AND CONTACTED 48 HOURS BEFORE ANY EXCAVATION.
- INVERT ELEVATIONS INDICATED FOR THE LATERALS ARE END OF PIPE INVERT ELEVATION.

TRAFFIC CONTROL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) LATEST EDITION WITH ALL SUPPLEMENTS AND LOCAL CITY STANDARD DRAWINGS.
- APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO START OF WORK.
- INSPECTION SHALL BE BY THE SPECIFIC CITY JURISDICTION THAT THE CONSTRUCTION ZONE LIES WITHIN. ALL REQUESTS FOR INSPECTION SHALL BE MADE AT LEAST 48 HOURS IN ADVANCE OF THE PROPOSED CONSTRUCTION AND SHALL BE WITH THE SPECIFIC CITY.
- ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RECUT PRIOR TO PAVING.
- DURING THE PERIOD OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN SUCH WARNINGS, SIGNS, STOP SIGNS, BARRICADES AND OTHER SAFETY MEASURES IN CONFORMANCE WITH THE W.A.T.C.H. MANUAL.
- CONTRACTOR SHALL REINSTALL PAVEMENT MARKINGS, STRIPING AND SIGNING THAT HAS BEEN DISTURBED BY HIS OPERATION.
- THE CONTRACTOR SHALL PROVIDE SAFE AND CONTINUOUS PASSAGE FOR LOCAL PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES.
- SHOULD ANY OF THE EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICT WITH THE PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND AWAIT THE RELOCATION AND/OR PROVIDE AN ALTERNATE DESIGN.
- TRAFFIC SIGNAL FUNCTIONS SHALL BE THE RESPONSIBILITY OF THE CITY. HOWEVER, THE CONTRACTOR IS REQUIRED TO GIVE 48-HOUR NOTICE PRIOR TO CONSTRUCTION THAT WILL DAMAGE OR AFFECT ANY BURIED TRAFFIC DETECTORS OR OTHER UNDERGROUND FACILITIES.
- THE CONTRACTOR SHALL SO CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC, AND HE SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN HE CAN PROSECUTE PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC.
- CONVENIENT ACCESS TO DRIVEWAYS, HOUSES AND BUILDINGS ALONG THE LINE OF WORK SHALL BE MAINTAINED, AND TEMPORARY CROSSINGS SHALL BE PROVIDED AND MAINTAINED IN GOOD CONDITION. NOT MORE THAN ONE CROSSING OR INTERSECTING STREET OR ROAD SHALL BE CLOSED AT ANY ONE TIME WITHOUT THE APPROVAL OF THE ENGINEER
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUCH FENCES, BARRIERS, DIRECTIONAL SIGNS, LIGHTS AND FLAGMEN AS ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC AT ALL TIMES OF ANY DANGEROUS CONDITIONS TO BE ENCOUNTERED AS A RESULT OF THE CONSTRUCTION WORK AND TO GIVE DIRECTIONS TO THE PUBLIC.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID INJURY TO EXISTING IMPROVEMENTS OR FACILITIES, UTILITY FACILITIES, ADJACENT PROPERTY AND TREES AND SHRUBBERY THAT ARE NOT TO BE REMOVED.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK, AND THE CONTRACTOR SHALL FULLY COMPLY WITH ALL STATE AND FEDERAL LAWS, RULES, REGULATIONS AND ORDERS RELATING TO SAFETY TO THE PUBLIC AND WORKMEN.
- DUST SHALL BE CONTROLLED AT ALL TIMES BY APPROVED METHODS.
- PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE FROM DIRT AND/OR DEBRIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED IN STREET CLEANING NECESSITATED BY HIS OPERATION.
- FULL STREET CLOSURE WILL NOT BE PERMITTED UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE DIRECTOR OF PUBLIC WORKS/CITY ENGINEER. 48 HOUR NOTICE WILL BE REQUIRED TO THE CITY AND AFFECTED PROPERTY OWNERS PRIOR TO ANY CLOSURE.
- STREET CUT PERMITS MUST BE OBTAINED FROM THE PUBLIC SERVICE DEPARTMENT.
- CAL-OSHA PERMITS SHALL BE REQUIRED FOR TRENCH WORK MORE THAN 5' IN DEPTH. EVIDENCE MUST BE PRESENTED TO THE CITY PRIOR TO PERMIT ISSUANCE.



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CONSTRUCTION ITEMS

- 1

PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL

C11
- 2

FURNISH AND INSTALL 2–1/2” PVC (SDR40) PER MANUFACTURER’S SPECIFICATIONS
- 3

INSTALL 18”x4” TAP FOR RECYCLED WATER MAIN PER CBMWD STD. DWG RW6. INSTALL 4”x3” DIP FLANGED REDUCER, 3” RW FLANGED GATE VALVE AND 3” FLANGEDxPVC ADAPTER, 3”x2–1/2” PVC SCH 40 REDUCER.
- 4

FURNISH AND INSTALL 2” WATER METER PER CITY SPECIFICATIONS. SEE PLAN FOR DETAIL
- 5

FURNISH AND INSTALL 2–1/2” PVC (C900) PER MANUFACTURERS SPECIFICATIONS
- 6

INSTALL 18”x4” TAP FOR RECYCLED WATER MAIN PER CBMWD STD RW6. INSTALL 4”x3” DIP FLANGED REDUCER, 3” RW FLANGED GATE VALVE AND 3” FLANGEDxPVC ADAPTER, 3”x2–1/2” PVC (C900) REDUCER.
- 7

FURNISH AND INSTALL 8” PVC END CAP WITH 2” TEMPORARY BLOW OFF AND THRUST BLOCK PER CBMWD STD RW19 AND DETAIL

D11
- 8

FURNISH AND INSTALL 3” DI RECYCLED WATER SERVICE PER CBMWD STD RW4 AND DETAIL

A11
- 9

FURNISH AND INSTALL 3” RECYCLED WATER METER PER CITY SPECIFICATIONS. SEE PLAN FOR DETAIL
- 10

TAP EXISTING RECYCLED WATER MAIN PER CBMWD STD RW6 AND DETAIL

B11
- 11

INSTALL 16”x4” DIP FLANGED REDUCER, 4”x3” DIP FLANGED REDUCER, 3” RW FLANGED GATE VALVE AND 3” FLANGEDxPVC ADAPTER, 3”x3” PVC SCH 40 REDUCER
- 12

INSTALL 16”x16”x4” FLANGED TAPPING SADDLE WITH 4” FLANGED RESILIENT WEDGE GATE VALVE. INSTALL 4”x3” FLG REDUCER WITH 3” FLANGExPVC ADAPTER
- 13

FURNISH AND INSTALL 6” PVC (SDR40) PER MANUFACTURER’S SPECIFICATIONS
- 14

FURNISH AND INSTALL 6”–90° ELBOW PER MANUFACTURER’S SPECIFICATIONS
- 15

FURNISH AND INSTALL 6”–45° DI ELBOW PER MANUFACTURER’S SPECIFICATIONS
- 16

FURNISH AND INSTALL THRUST BLOCK PER CBMWD STD RW19 AND DETAIL

D11
- 17

FURNISH AND INSTALL STEEL ENCASEMENT PER CBMWD STD RW20 AND DETAIL

E11
- 18

2” MILL AND OVERLAY PER DETAIL

A6
- 19

FURNISH AND INSTALL 4” PVC (C900) PER CBMWD STD RW4
- 20

FURNISH AND INSTALL 6”x4” REDUCER PER MANUFACTURER’S SPECIFICATIONS
- 21

FURNISH AND INSTALL 6”x4” TEE, PER MANUFACTURER’S SPECIFICATIONS
- 22

FURNISH AND INSTALL 4” PVC (SDR40) PER MANUFACTURER’S SPECIFICATIONS
- 23

FURNISH AND INSTALL 2” PVC (SDR40) PER MANUFACTURER’S SPECIFICATIONS

- 24

FURNISH AND INSTALL 4” FLANGED PVC ADAPTER, PER MANUFACTURER’S SPECIFICATIONS
- 25

FURNISH AND INSTALL 4”x2” REDUCER ELBOW, PER MANUFACTURER’S SPECIFICATIONS
- 26

FURNISH AND INSTALL 6” PVC (C900) PER CBMWD SPECIFICATIONS
- 27

FURNISH AND INSTALL 2” SERVICE MANIFOLD PER CBMWD SPECIFICATIONS
- 28

FURNISH AND INSTALL 4” GATE VALVE PER CBMWD STD. DWG RW7
- 29

FURNISH AND INSTALL 4”x4” D.I. TEE PER MANUFACTURER’S SPECIFICATIONS
- 30

FURNISH AND INSTALL 4” RECYCLED WATER METER PER CITY SPECIFICATIONS. SEE PLANS FOR DETAILS
- 31

FURNISH AND INSTALL 2” PVC END CAP
- 32

FURNISH AND INSTALL 2” PVC MANUFACTURER’S SPECIFICATIONS
- 33

FURNISH AND INSTALL 8” PVC (CL350), PER MANUFACTURER’S SPECIFICATIONS
- 34

FURNISH AND INSTALL 8”x8”x4” DI TEE REDUCER
- 35

FURNISH AND INSTALL 8”x6” REDUCER
- 36

FURNISH AND INSTALL 8”–90° ELBOW
- 37

FURNISH AND INSTALL 8”–45° DI BEND
- 38

REPLACE CONCRETE IN–LAND TO NEAREST PANEL JOINT
- 39

FURNISH AND INSTALL 8” PVC END CAP WITH 2” TEMPORARY BLOW OFF AND THRUST BLOCK PER CBMWD STD RW19

DEMOLITION ITEMS

- 1

REMOVE ASPHALT PAVEMENT AND DISPOSE
- 2

DISCONNECT SERVICE CONNECTION AND VALVE PER CBMWD SPECIFICATIONS
- 3

REMOVE WATER METER. CONTRACTOR TO NOTIFY CBMWD FOR REMOVAL OF METER.
- 4

REMOVE ASPHALT PAVEMENT TO NEAREST JOINT
- 5

EXISTING 2–1/2” WATER SERVICE TO BE CAPPED AT THE MAIN. TO BE FIELD VERIFIED BY CITY WATER DEPARTMENT
- 6

DISCONNECT AND REMOVE 2–1/2” PVC PIPE
- 7

REMOVE BACK FLOW PREVENTOR AND RETURN TO CUSTOMER

UTILITIES

WATER	CITY OF HAWAIIAN GARDENS	(562) 420–2641
	CITY OF LAKEWOOD	(310) 466–9381
	CITY OF HUNTINGTON PARK	(323) 582–6161
	CITY OF SOUTH GATE	(323) 563–9586
SEWER	CITY OF HAWAIIAN GARDENS	(562) 420–2641
	CITY OF LAKEWOOD	(310) 603–0220
	COUNTY SANITATION DISTRICT OF LOS ANGELES COUNTY	(562) 908–4288
	CITY OF HUNTINGTON PARK	(323) 582–6161
	CITY OF SOUTH GATE	(323) 563–9586
GAS	SOUTHERN CALIFORNIA GAS COMPANY	(800) 427–2000
ELECTRIC	SOUTHERN CALIFORNIA EDISON	(800) 655–4555
TELEPHONE	AT&T	(844) 349–4053
	SPECTRUM	(833) 949–0036
	VERIZON	(908) 559–2001
RAILROAD	UNION PACIFIC	(800) 877–5123
OIL	CRIMSON PIPELINE	(833) 285–4589

CONTACTS

SITE#1 SUPERVISOR:	TWEEDY ELEMENTARY SCHOOL 9724 PINEHURST AVENUE SOUTH GATE, CA 90280 NAME XXXX (323)568–2828
SITE#1 WATER PURVEYOR:	CITY OF SOUTH GATE
SITE#2 SUPERVISOR:	SAN ANTONIO ELEMENTARY SCHOOL 6222 STATE STREET HUNTINGTON PARK, CA 90255 NAME XXXX (323)582–1250
SITE#2 WATER PURVEYOR:	CITY OF HUNTINGTON PARK
SITE#3 SUPERVISOR:	MAYWOOD ACADEMY HIGH SCHOOL 6215 PINE AVENUE MAYWOOD, CA 90270 NAME XXXX (323) 838–6000
SITE#3 WATER PURVEYOR:	CITY OF HUNTINGTON PARK
SITE4 SUPERVISOR:	FEDDE MIDDLE SCHOOL 21409 ELAIN AVENUE HAWAIIAN GARDENS, CA 90716 NAME XXX (562) 229–7805
SITE#4 WATER PURVEYOR:	CITY OF HAWAIIAN GARDENS
SITE#5 SUPERVISOR:	BLOOMFIELD PARK 21420 PIONEER BLVD. LAKEWOOD, CA 90715 NAME XXX (XXX) XXX–XXXX
SITE#5 WATER PURVEYOR:	CITY OF LAKEWOOD
RECYCLED WATER /DOMESTIC WATER WHOLESALE:	CENTRAL BASIN MUNICIPAL WATER DISTRICT P.O. BOX 911579 COMMERCE, CA 90040 ISABELLE GUIDO (323) 201–5541
REGULATORY AGENCY:	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH 5050 COMMERCE DRIVE, ROOM 116 BALDWIN PARK, CA 91706 DAN BACANI (323) 274–8695
RW CUSTOMER: ENGINEER OF RECORD	T.R. HOLLIMAN & ASSOCIATES 3543 CITRUS STREET HIGHLAND, CA 92346 TOM HOLLIMAN (909) 573–6802
ENGINEER OF RECORD:	VALUED ENGINEERING, INC 1529 W. 13TH STREET, UNIT G UPLAND, CA 91786 JEFF MEITER (909) 982–4601

LEGEND

SS	EXISTING SANITARY SEWER LINE
	EXISTING DOMESTIC WATER LINE
E(OH)	EXISTING ELECTRICAL (OVERHEAD)
- - -	EXISTING RIGHT OF WAY
- - -	CENTERLINE
740	EXISTING MAJOR CONTOUR
741	EXISTING MINOR CONTOUR
- - -	PROPOSED RIGHT OF WAY
	PROPOSED RECYCLED WATER LINE
-----	SAWCUT
	MILL AC
	AC PAVEMENT OVER CAB
	REPLACE PCC
●	EXISTING POWER POLE
⊙	EXISTING STORM DRAIN MANHOLE
⊗	EXISTING SEWER MANHOLE
⊗	EXISTING WATER VALVE
⊗	EXISTING FIRE HYDRANT
⊗	EXISTING WATER BLOW–OFF
[W]	EXISTING WATER METER
	EXISTING BLOCK WALL
q	TRAFFIC SIGN
[PB]	EXISTING PULL BOX
▲	THRUST BLOCK
□	CLEANOUT

ABBREVIATIONS

CBMWD	CENTRAL BASIN MUNICIPAL WATER DISTRICT
DDW	STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER
DW	DOMESTIC WATER
EX	EXISTING
LACSD	LOS ANGELES COUNTY SANITARY DISTRICTS
LACDPH	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH
LF	LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
NPW	NON–POTABLE WATER
PW	POTABLE WATER
RPPD	REDUCED PRESSURE PRINCIPAL DEVICE
RW	RECYCLED WATER
SCH	SCHEDULE
STA	STATION
TYP	TYPICAL

REV	DATE	BY	DESCRIPTION	APPD	



PLANS PREPARED BY:



ENGINEERING, INC
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982–4601

DESIGNED BY:	JDM	DATE:	05/01/2024
DRAWN BY:	CM/KK/RSM	DATE:	05/02/2024
CHECKED BY:	JDM	DATE:	05/03/2024
APPROVED:		DATE:	
ELAINE JUNG, INTERIM GENERAL MANAGER			

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

CONSTRUCTION NOTES, LEGENDS, CONTACTS AND ABBREVIATIONS

DRAWING No.



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C-3

SHEET No. 3 OF 37

SaveDate: 7/21/2024 3:02 PM

XXXXXX

DEMOLITION ITEMS

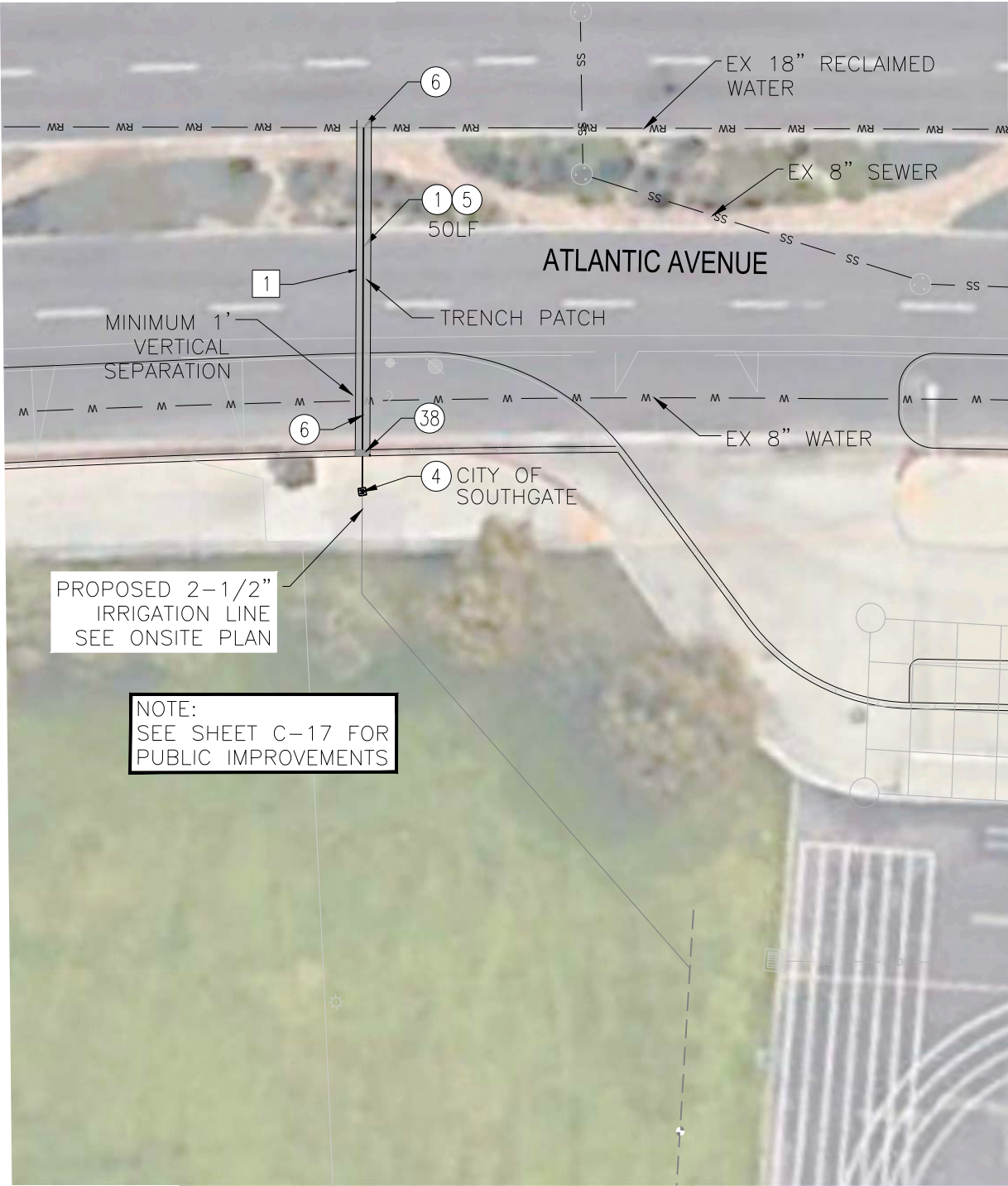
- 1 REMOVE ASPHALT PAVEMENT AND DISPOSE

CONSTRUCTION ITEMS

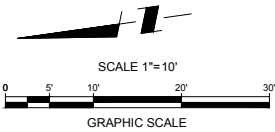
- 1 PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL
- 4 FURNISH AND INSTALL 2" WATER METER PER CITY SPECIFICATIONS. SEE PLAN FOR DETAIL
- 5 FURNISH AND INSTALL 2-1/2" PVC (SDR40) PER TECHNICAL SPECIFICATIONS
- 6 INSTALL 18"x4" TAP FOR RECYCLED WATER MAIN PER CBMWD STD RW6. INSTALL 4"x3" DIP FLANGED REDUCER, 3" RW FLANGED GATE VALVE AND 3" FLANGEDxPVC ADAPTER, 3"x2-1/2" PVC (C900) REDUCER.
- 38 REPLACE CONCRETE IN-LAND TO NEAREST PANEL JOINT


NOTE: CONSTRUCTION ITEMS 4 IS PER THE CITY OF SOUTH GATE'S SPECIFICATIONS

NOTE: CONTRACTOR TO POTHOLE CROSSING UTILITIES TO VERIFY POTENTIAL CONFLICTS



OFF-SITE CONNECTION
SCALE: 1"=10'





Know what's below.
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DRAWING No.

C-4

SHEET No. 4 OF 37

P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C04 TWEEDY PLAN.dwg

REV	DATE	BY	DESCRIPTION	APP'D



PLANS PREPARED BY:
VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

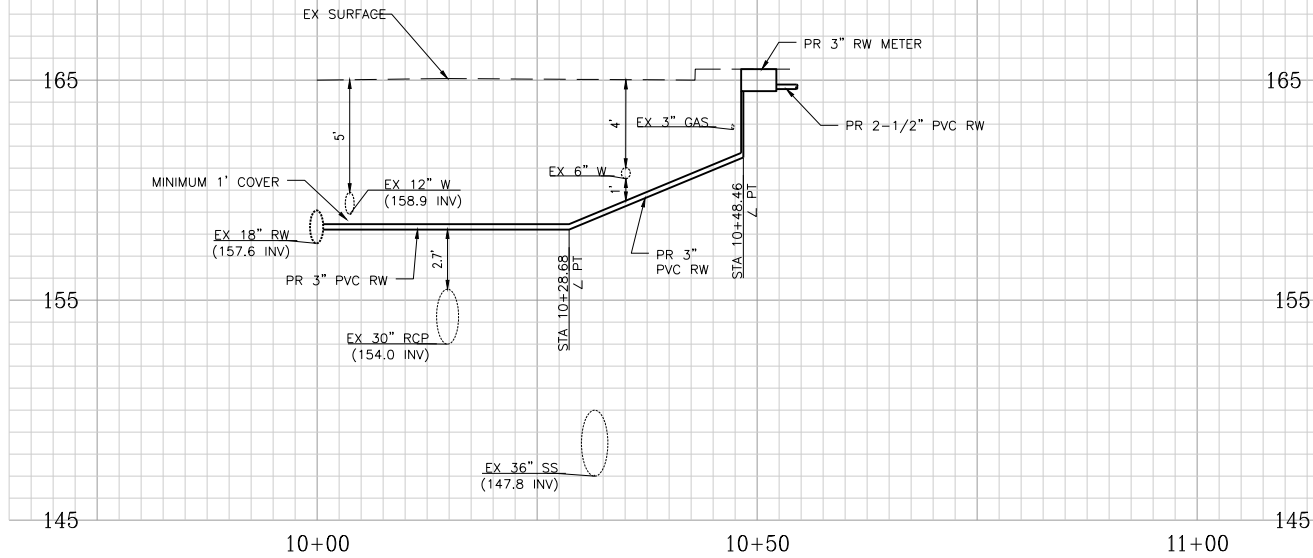
DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CM/KK/RSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

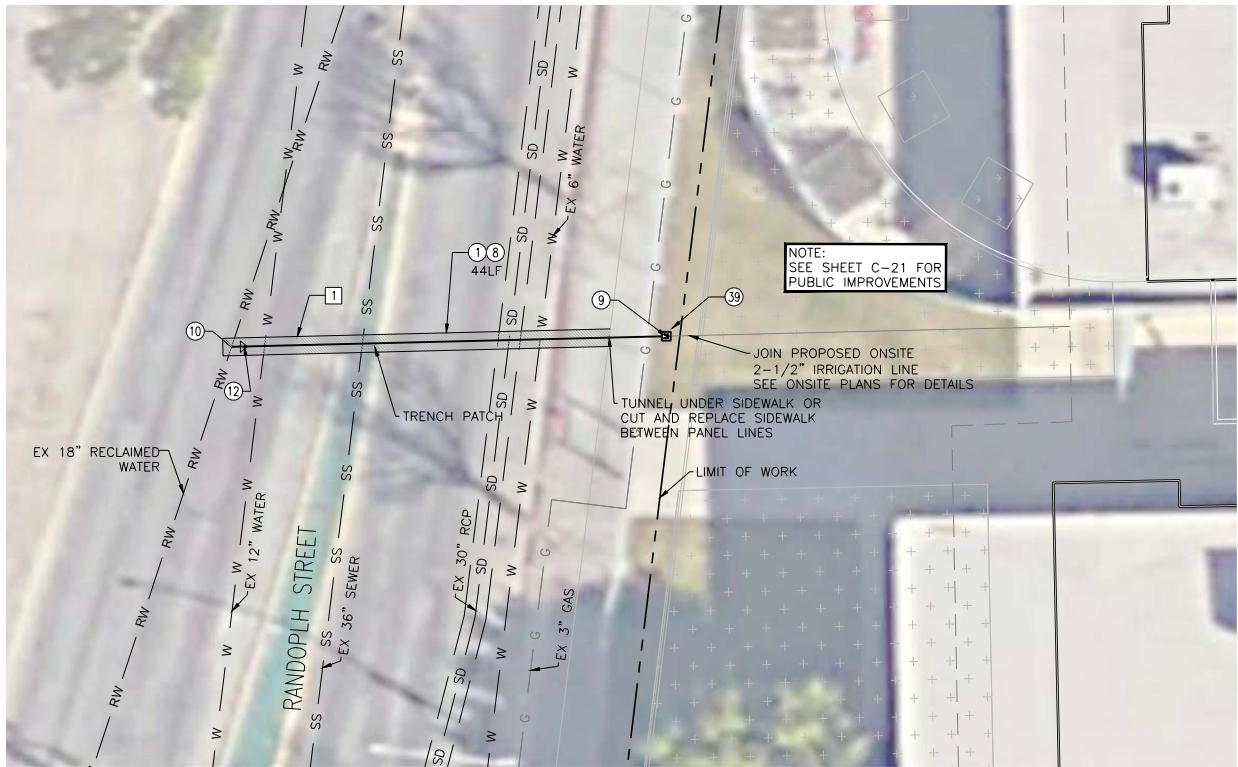
P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #1: TWEEDY ELEMENTARY SCHOOL
9724 PINEHURST AVENUE SOUTH GATE, CA 90280
RECYCLED WATER PLAN



PROFILE SCALE
HORIZ.: 1"=10'
VERT.: 1"=4'



OFF-SITE CONNECTION DETAIL

SCALE: 1"=10'

DEMOLITION ITEMS

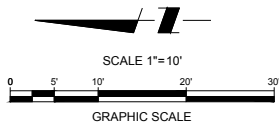
- 1 REMOVE ASPHALT PAVEMENT AND DISPOSE

CONSTRUCTION ITEMS

- 1 PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL (C17)
- 8 FURNISH AND INSTALL 3" DI RECYCLED WATER SERVICE PER CBMWD STD RW4 AND DETAIL (A7)
- 9 FURNISH AND INSTALL 3" RECYCLED WATER METER PER CITY SPECIFICATIONS. SEE PLAN FOR DETAIL
- 10 TAP EXISTING RECYCLED WATER MAIN PER CBMWD STD RW6 AND DETAIL (B7)
- 12 INSTALL 16"x16"x4" FLANGED TAPPING SADDLE WITH 4" FLANGED RESILIENT WEDGE GATE VALVE. INSTALL 4"x3" FLG REDUCER WITH 3" FLANGExPVC ADAPTER
- 38 REPLACE CONCRETE IN-LAND TO NEAREST PANEL JOINT

NOTE, CONSTRUCTION ITEMS 9 IS PER THE CITY OF HUNTINGTON PARK'S SPECIFICATIONS

NOTE, CONTRACTOR TO POT HOLE CROSSING UTILITIES TO VERIFY POTENTIAL CONFLICTS



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REV	DATE	BY	DESCRIPTION	APPD

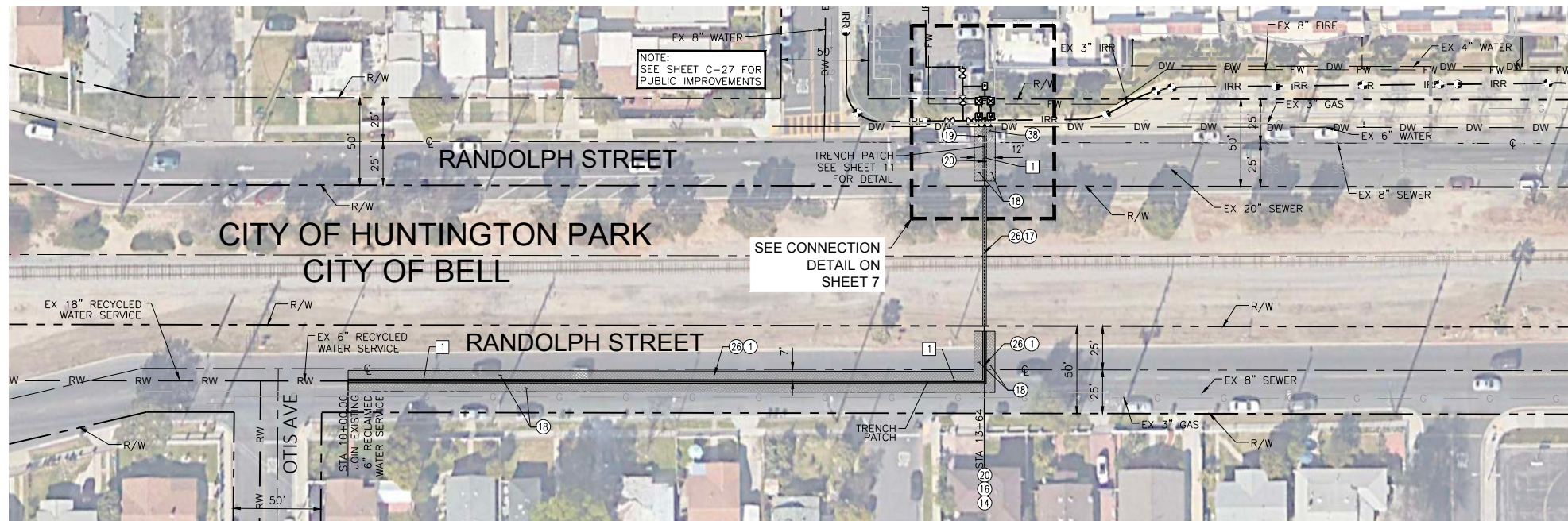
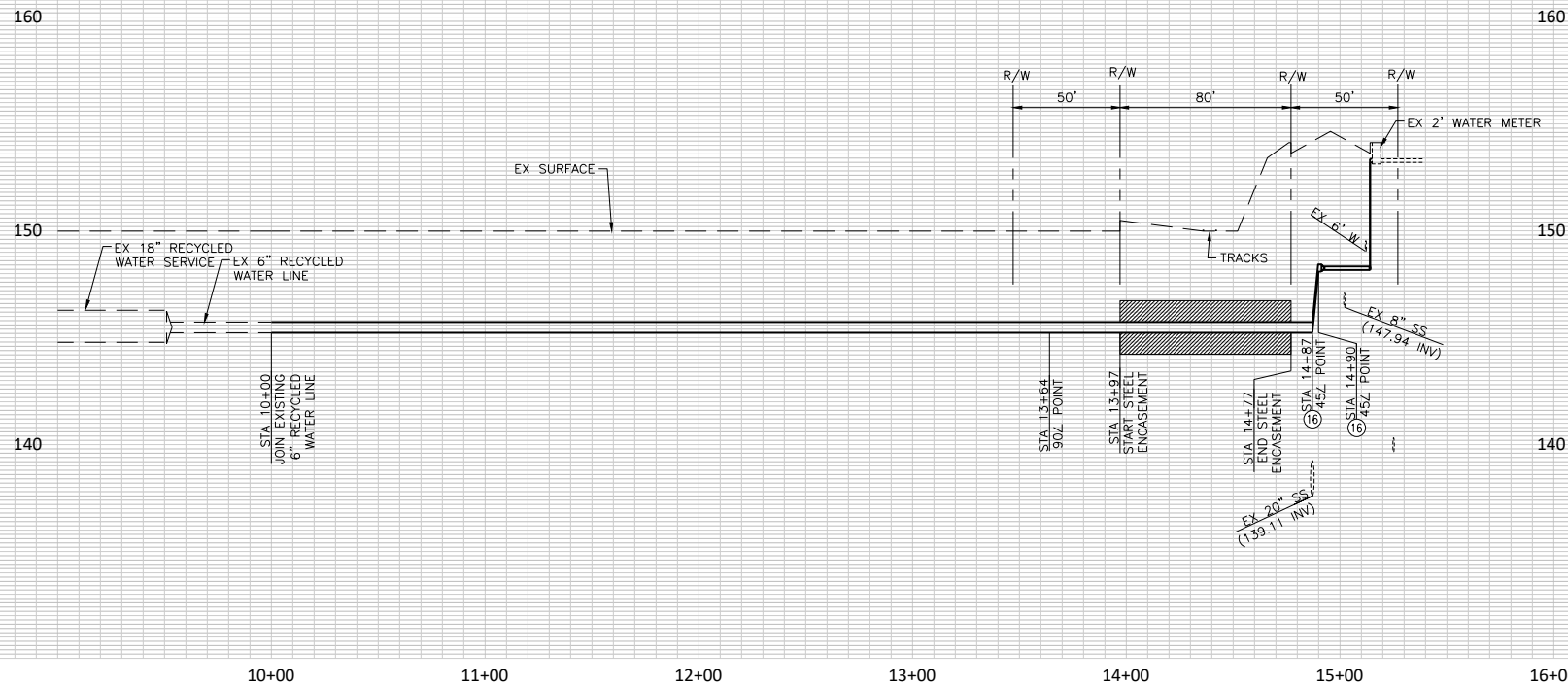


PLANS PREPARED BY:

VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT P.O. BOX 911579 COMMERCE, CA 90040-2512 PHONE: (323) 201-5500	PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES SITE #2: SAN ANTONIO ELEMENTARY SCHOOL 6222 STATE STREET HUNTINGTON PARK, CA 90255 RECYCLED WATER PLAN AND PROFILE	DRAWING No. C-5 SHEET No. 5 OF 37
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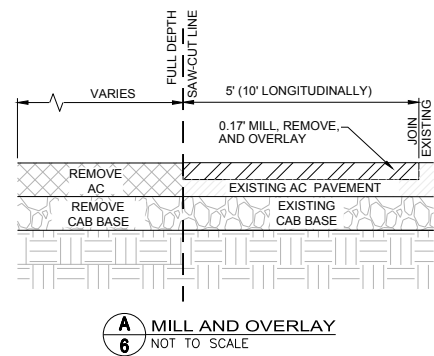


DEMOLITION ITEMS

- 1 REMOVE ASPHALT PAVEMENT AND DISPOSE

CONSTRUCTION ITEMS

- 1 PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL (C 11)
14 FURNISH AND INSTALL 6"-90" ELBOW
16 FURNISH AND INSTALL THRUST BLOCK PER CBMWD STD RW19 AND DETAIL (P 1)
17 FURNISH AND INSTALL STEEL ENCASEMENT PER CBMWD STD RW20 AND DETAIL (E 1)
18 2" MILL AND OVERLAY PER DETAIL (A 6)
19 FURNISH AND INSTALL 4" PVC (C900) PER CBMWD STD RW4
20 FURNISH AND INSTALL 6"x4" REDUCER
26 FURNISH AND INSTALL 6" PVC (C-900) PER TECHNICAL SPECIFICATIONS
38 REPLACE CONCRETE IN-LAND TO NEAREST PANEL JOINT

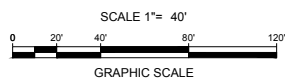


DRAWING No.

C-6

SHEET No. 6 OF 37

NOTE: REFERENCE UNION PACIFIC EXHIBIT "A" ON PIPES CROSSING RAILROAD TRACKS
NOTE: CONTRACTOR TO POTHOLE CROSSING UTILITIES TO VERIFY POTENTIAL CONFLICTS



REV	DATE	BY	DESCRIPTION	APP'D



PLANS PREPARED BY:
VALUED ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CM/KGRSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

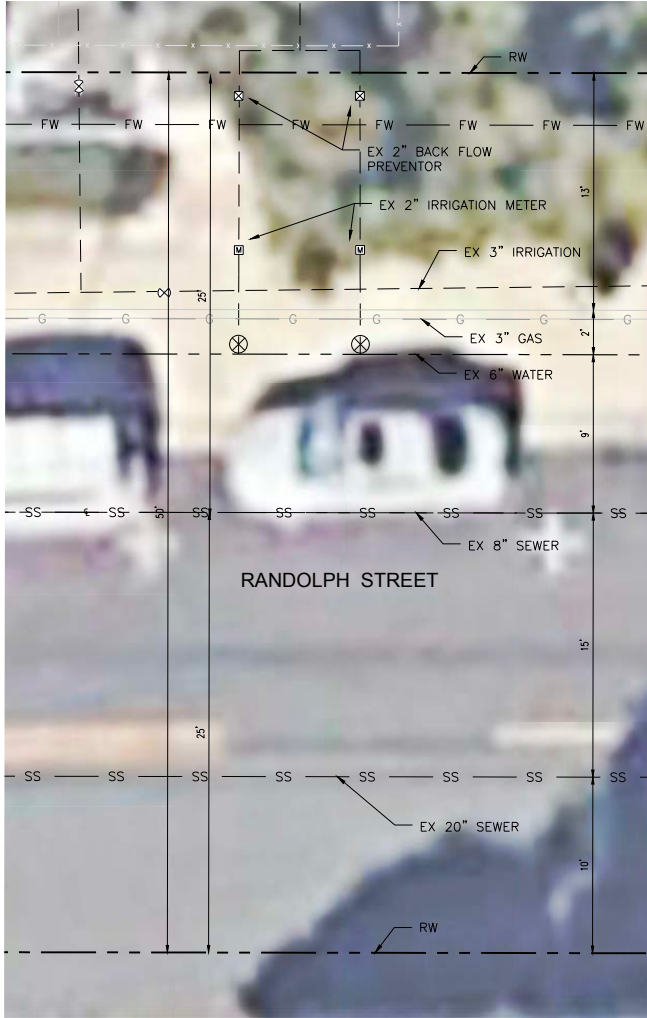
CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES
SITE #3: MAYWOOD ACADEMY HIGH SCHOOL
6215 PINE AVENUE MAYWOOD, CA 90270
RECYCLED WATER PLAN AND PROFILE

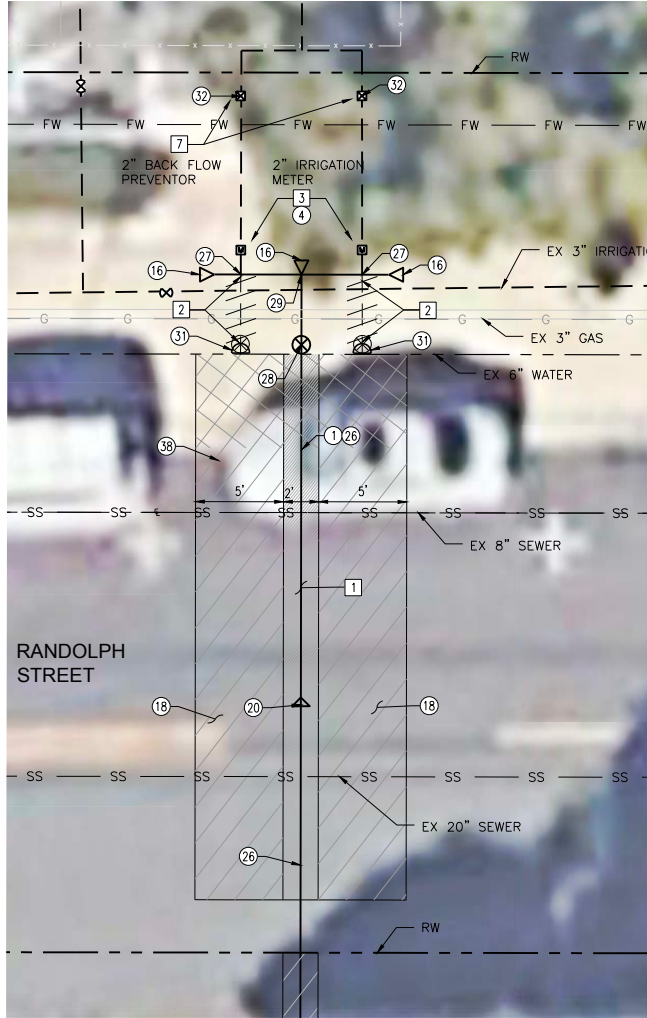
P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C07 DETAILS.dwg

SaveDate: 7/15/2024 7:48 AM



EXISTING CONNECTION DETAIL

SCALE: 1"=5'



NEW CONNECTION DETAIL

SCALE: 1"=5'

DEMOLITION ITEMS

- 1 REMOVE ASPHALT PAVEMENT AND DISPOSE
- 2 DISCONNECT SERVICE CONNECTION AND VALVE PER CBMWD SPECIFICATIONS
- 3 REMOVE WATER METER. CONTRACTOR TO NOTIFY CBMWD FOR REMOVAL OF METER.
- 7 REMOVE BACK FLOW PREVENTOR AND RETURN TO CUSTOMER

CONSTRUCTION ITEMS

- 1 PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL
- 4 FURNISH AND INSTALL 2" WATER METER PER CITY SPECIFICATIONS. SEE PLAN FOR DETAIL
- 17 FURNISH AND INSTALL STEEL ENCASEMENT PER CBMWD STD RW20 AND DETAIL
- 19 FURNISH AND INSTALL 4" PVC PER CBMWD STD RW4
- 21 FURNISH AND INSTALL 6"x4" TEE
- 22 FURNISH AND INSTALL 4" PVC (SDR40) PER CBMWD STD. DWG RW
- 29 FURNISH AND INSTALL 4"x4" DI TEE
- 30 FURNISH AND INSTALL 4" RECYCLED WATER METER PER CITY SPECIFICATIONS. SEE PLANS FOR DETAILS
- 31 FURNISH AND INSTALL 2" PVC END CAP
- 32 FURNISH AND INSTALL 2" PVC (SDR40) PER TECHNICAL SPECIFICATIONS
- 34 FURNISH AND INSTALL 8 X6 X4 DI TEE REDUCER
- 35 FURNISH AND INSTALL 8"x6" REDUCER
- 36 FURNISH AND INSTALL 8"-90° ELBOW

NOTE: CONSTRUCTION NOTE 4 IS PER CITY OF HUNTINGTON PARK'S SPECIFICATIONS

REV	DATE	BY	DESCRIPTION	APP'D



PLANS PREPARED BY:



VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY:	JDM	DATE:	05/01/2024
DRAWN BY:	CM/KK/RSM	DATE:	05/02/2024
CHECKED BY:	JDM	DATE:	05/03/2024
APPROVED:	ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:	

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #3: MAYWOOD ACADEMY HIGH SCHOOL
6215 PINE AVENUE MAYWOOD, CA 90270

DETAILS



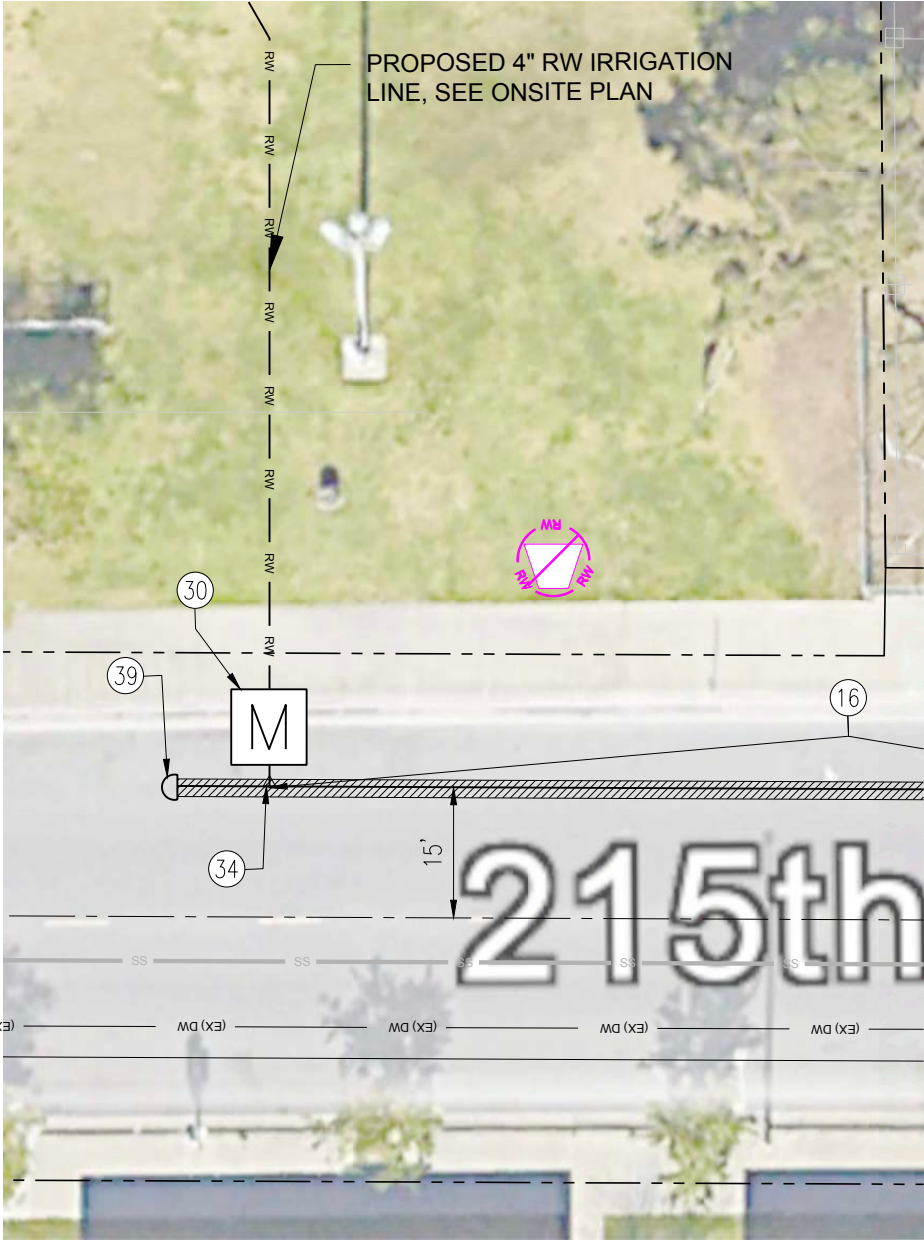
Know what's below.
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DRAWING No.

C-7

SHEET No. 7 OF 37

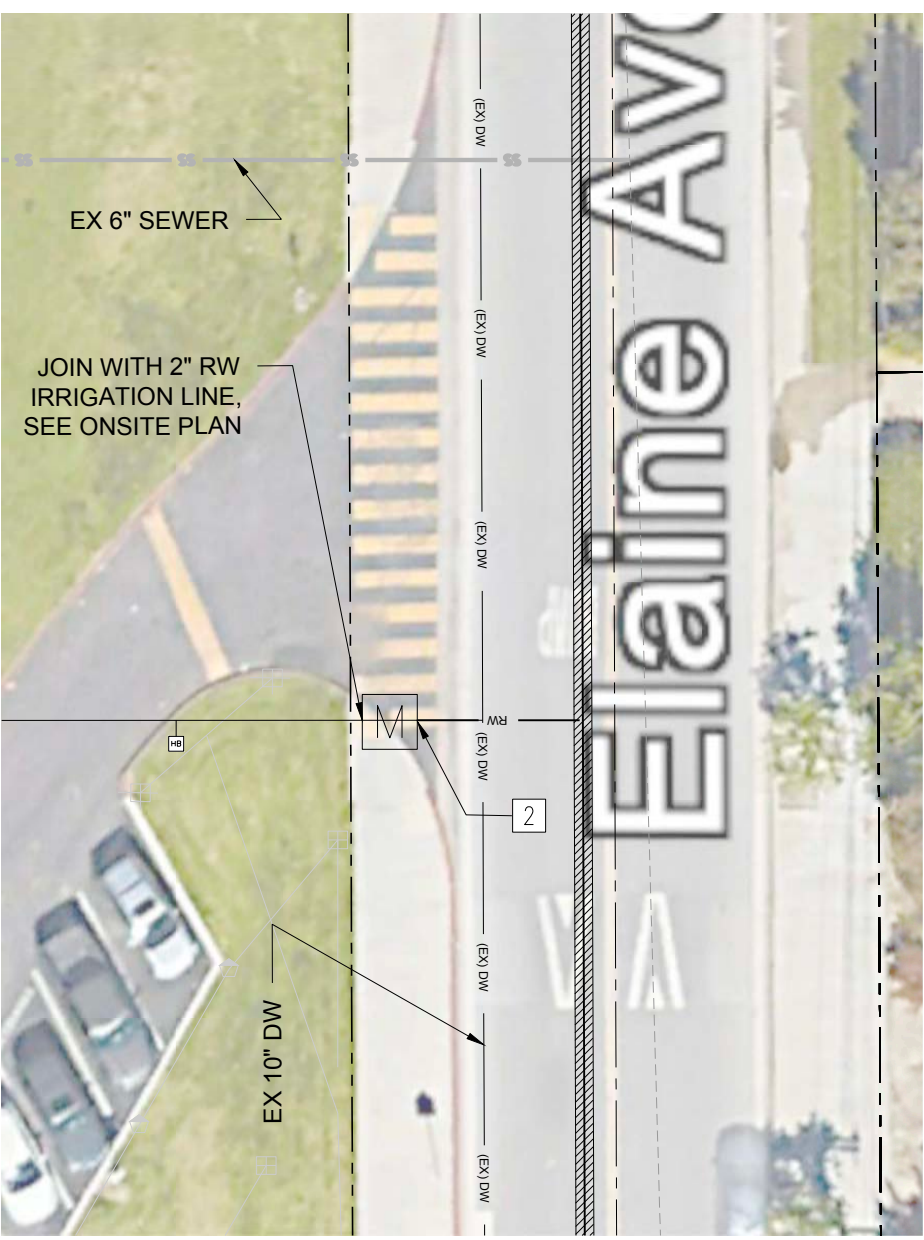
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BLOOMFIELD PARK CONECTION
SCALE 1:10



FEDDE MIDDLE SCHOOL 215TH STREET CONNECTION
SCALE 1:10



FEDDE MIDDLE SCHOOL ELAINE AVENUE CONNECTION
SCALE 1:10

DEMOLITION ITEMS

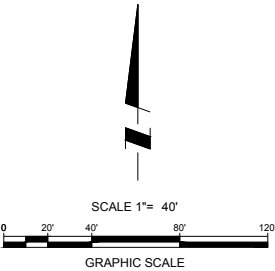
- 1 REMOVE ASPHALT PAVEMENT AND DISPOSE
- 2 DISCONNECT SERVICE CONNECTION AND VALVE PER CBMWD SPECIFICATIONS

CONSTRUCTION ITEMS

- 1 PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL
- 7 FURNISH AND INSTALL 8" PVC END CAP WITH 2" TEMPORARY BLOW OFF AND THRUST BLOCK PER CBMWD STD RW19 AND DETAIL
- 17 FURNISH AND INSTALL STEEL ENCASEMENT PER CBMWD STD RW20 AND DETAIL
- 13 FURNISH AND INSTALL 8" PVC (C-900) PER TECHNICAL SPECIFICATIONS
- 38 REPLACE CONCRETE IN-LAND TO NEAREST PANEL JOINT

NOTE: CONSTRUCTION ITEMS 9 AND 30 ARE PER CITY OF HAWAIIAN GARDENS' SPECIFICATIONS.

NOTE: CONTRACTOR TO POTHOLE CROSSING UTILITIES TO VERIFY POTENTIAL CONFLICTS



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REV	DATE	BY	DESCRIPTION	APPD



VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CM/KK/RSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

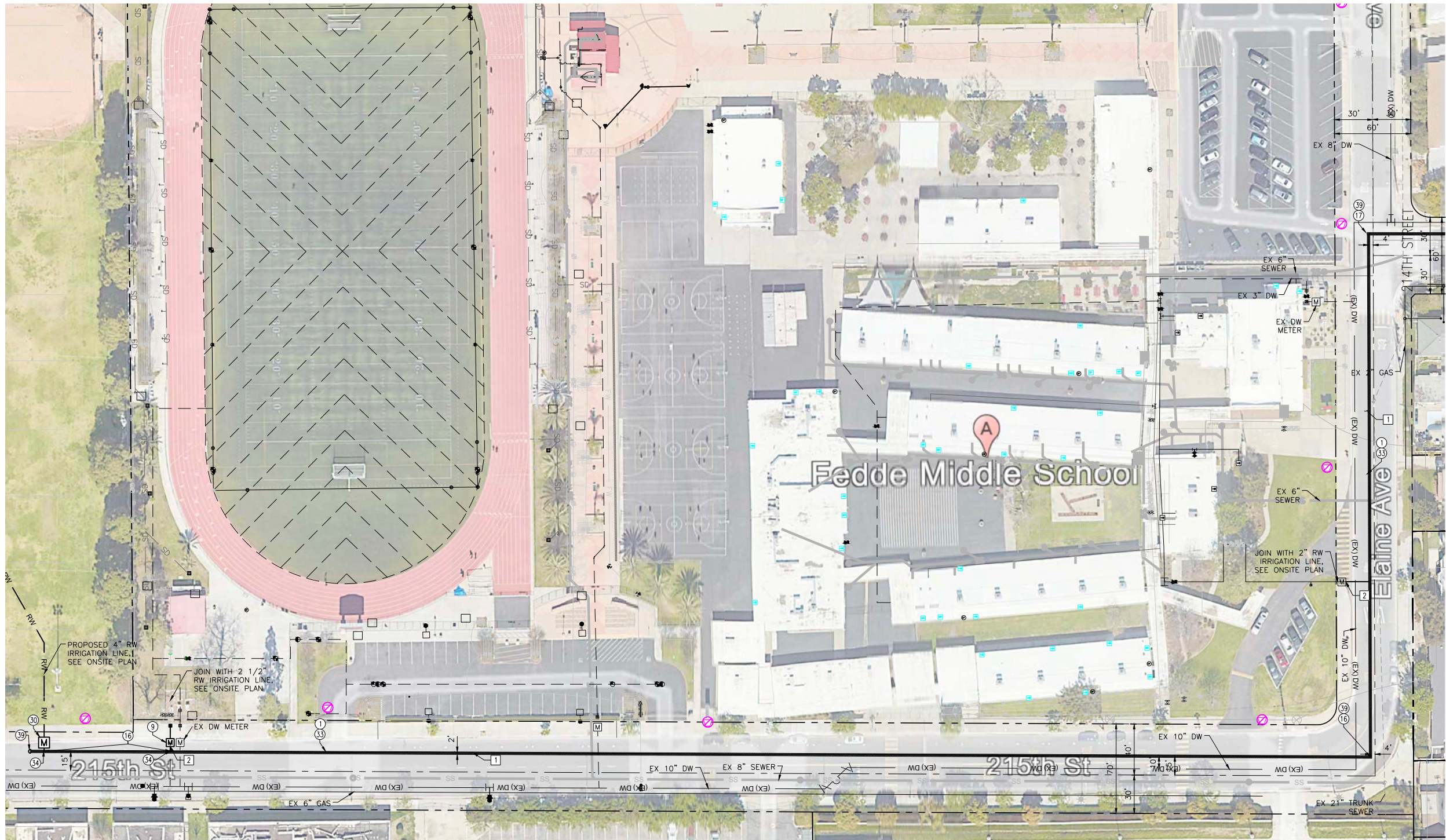
P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES
SITE #4&5: BLOOMFIELD PARK & FEDDE MIDDLE SCHOOL**
21409 ELAINE AVE. HAWAIIAN GARDEN, CA 90716
RECYCLED WATER PLAN AND PROFILE

DRAWING No.

C-8

SHEET No. 8 OF 37



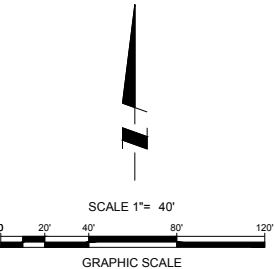
DEMOLITION ITEMS

- 1 REMOVE ASPHALT PAVEMENT AND DISPOSE
- 2 DISCONNECT SERVICE CONNECTION AND VALVE PER CBMWD SPECIFICATIONS

CONSTRUCTION ITEMS

- 1 PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL
- 9 FURNISH AND INSTALL 3" RECYCLED WATER METER PER CITY SPECIFICATIONS. SEE PLAN FOR DETAIL
- 17 FURNISH AND INSTALL STEEL ENCASEMENT PER CBMWD STD RW20 AND DETAIL
- 33 FURNISH AND INSTALL 8" PVC (C-900) PER TECHNICAL SPECIFICATIONS
- 37 FURNISH AND INSTALL 8"-45" DI BEND
- 38 REPLACE CONCRETE IN-LAND TO NEAREST PANEL JOINT
- 40 FURNISH AND INSTALL 8" PVC END CAP WITH 2"

NOTE: CONSTRUCTION ITEMS 9 AND 30 ARE PER CITY OF HAWAIIAN GARDENS' SPECIFICATIONS.



NOTE: CONTRACTOR TO POT HOLE CROSSING UTILITIES TO VERIFY POTENTIAL CONFLICTS

REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

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CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CM/KK/RSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

215TH STREET & ELAINE AVENUE
RECYCLED WATER PLAN AND PROFILE

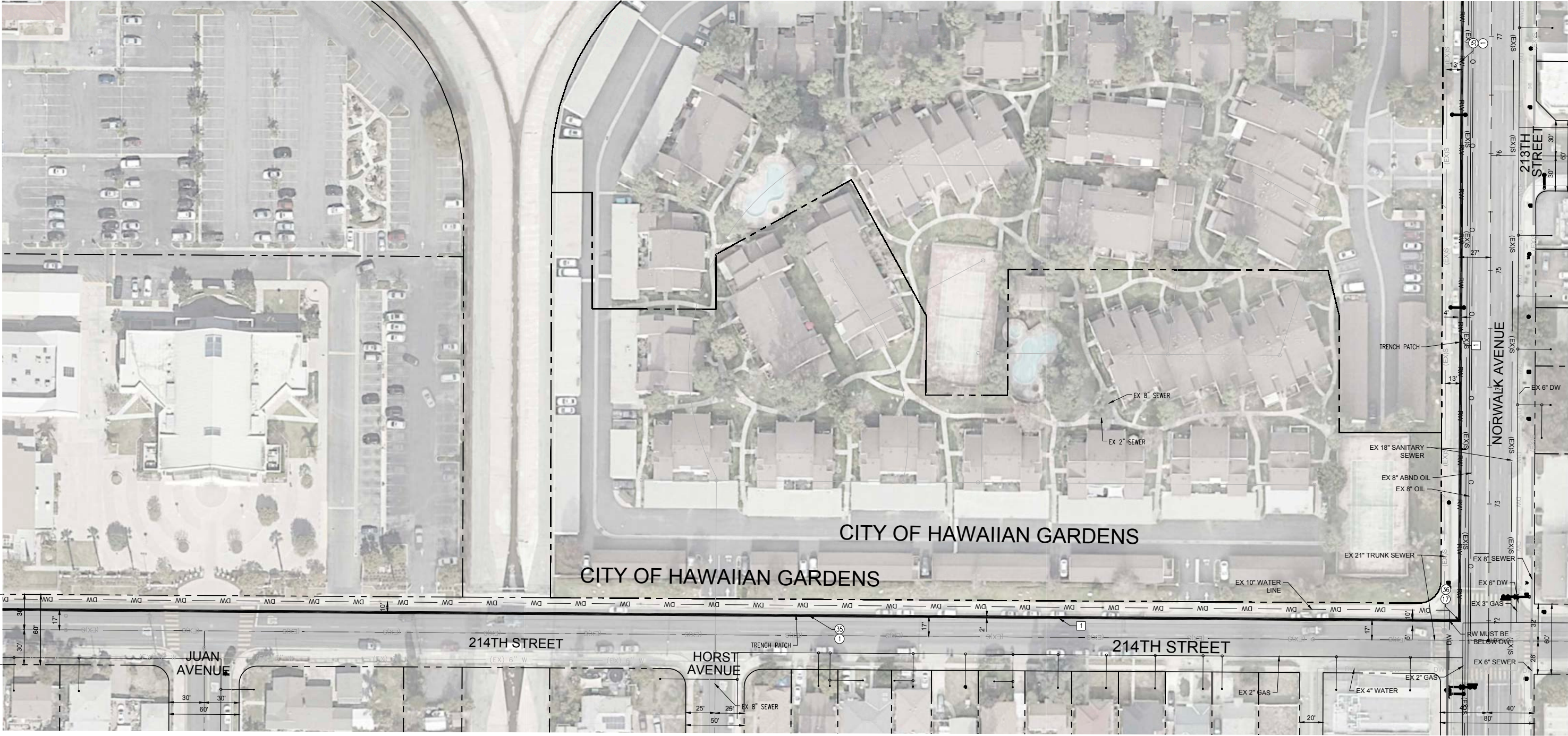
DRAWING No.

C-9

SHEET No. 9 OF 37

XXXXXX

NORWALK AVENUE CONTINUES ON SHEET C-11



214TH STREET CONTINUES ON SHEET C-9

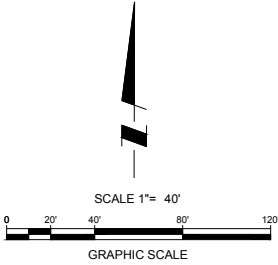
DEMOLITION ITEMS

- 1 REMOVE ASPHALT PAVEMENT AND DISPOSE

CONSTRUCTION ITEMS

- 1 PIPE TRENCHING AND BEDDING PER CBMWD STD RW17 AND DETAIL
- 17 FURNISH AND INSTALL STEEL ENCASEMENT PER CBMWD STD RW20 AND DETAIL
- 37 FURNISH AND INSTALL 8"-45" DI BEND

NOTE: CONTRACTOR TO POTHOLE CROSSING UTILITIES TO VERIFY POTENTIAL CONFLICTS



REV	DATE	BY	DESCRIPTION	APP'D



PLANS PREPARED BY:

VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY:	JDM	DATE:	05/01/2024
DRAWN BY:	CMKK/RSM	DATE:	05/02/2024
CHECKED BY:	JDM	DATE:	05/03/2024
APPROVED:	ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:	

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES
214TH STREET & NORWALK AVENUE
RECYCLED WATER PLAN AND PROFILE

DRAWING No.
C-10
SHEET No. 10 OF 37

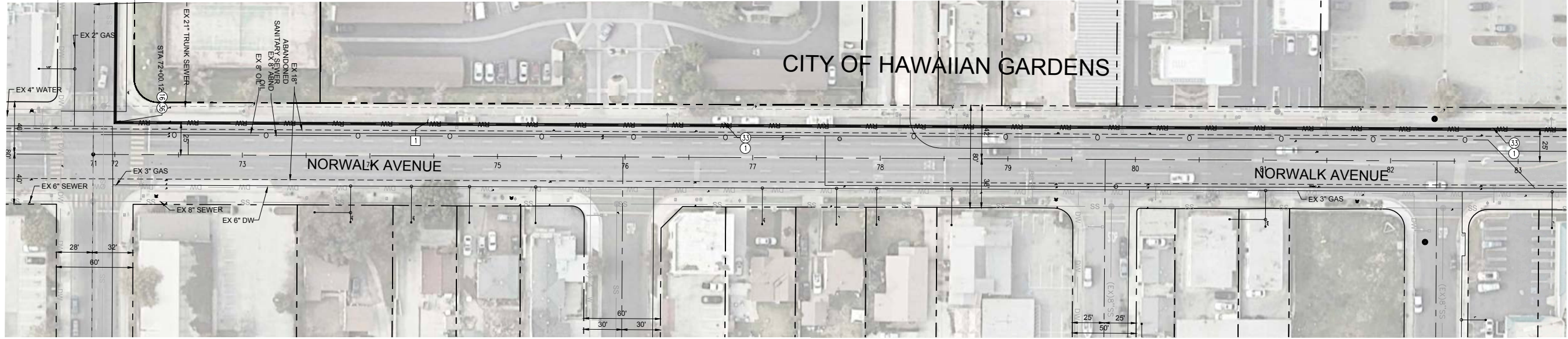
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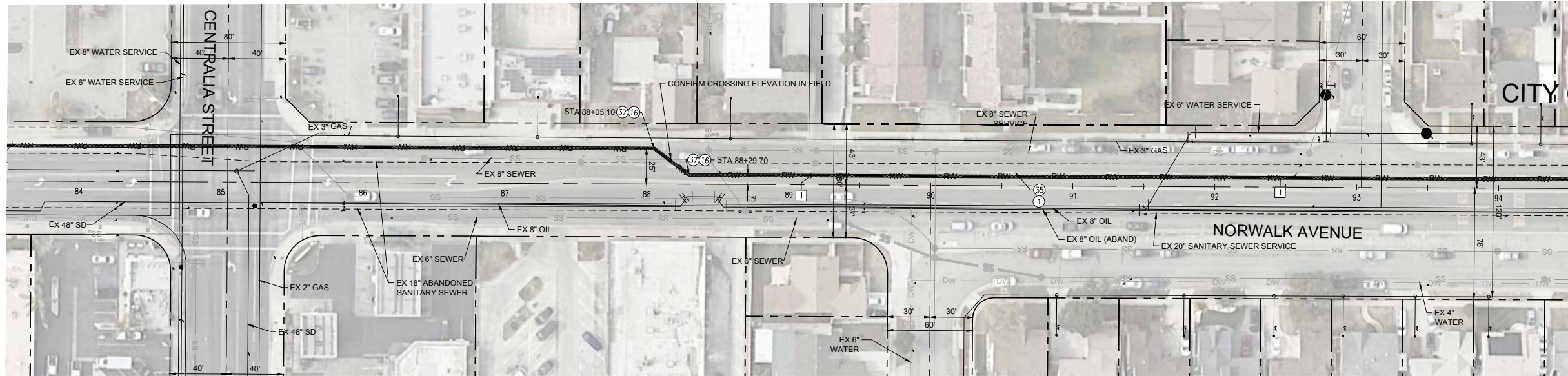
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NORWALK AVENUE CONTINUES FROM
SHEET C-10



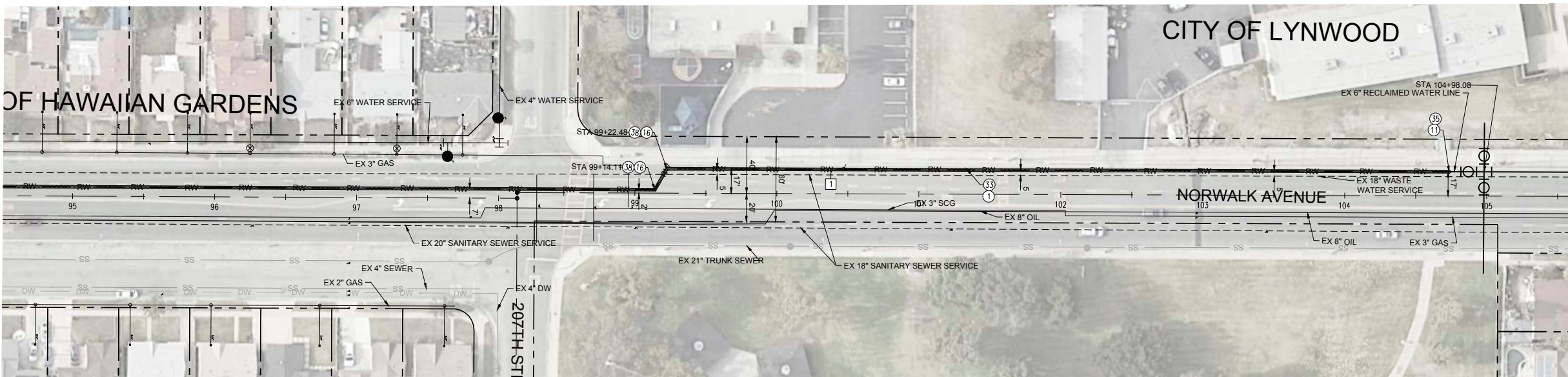
MATCH LINE STATION 88+50.00
SEE BELOW LEFT

MATCH LINE STATION 88+50.00
SEE ABOVE RIGHT

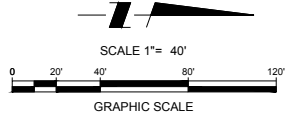


MATCH LINE STATION 94+50.00
SEE BELOW LEFT

MATCH LINE STATION 94+50.00
SEE ABOVE RIGHT



NOTE: CONTRACTOR TO POTHOLE CROSSING
UTILITIES TO VERIFY POTENTIAL CONFLICTS



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PLANS PREPARED BY:

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ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

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APPROVED:	ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:	

CENTRAL BASIN MUNICIPAL WATER DISTRICT

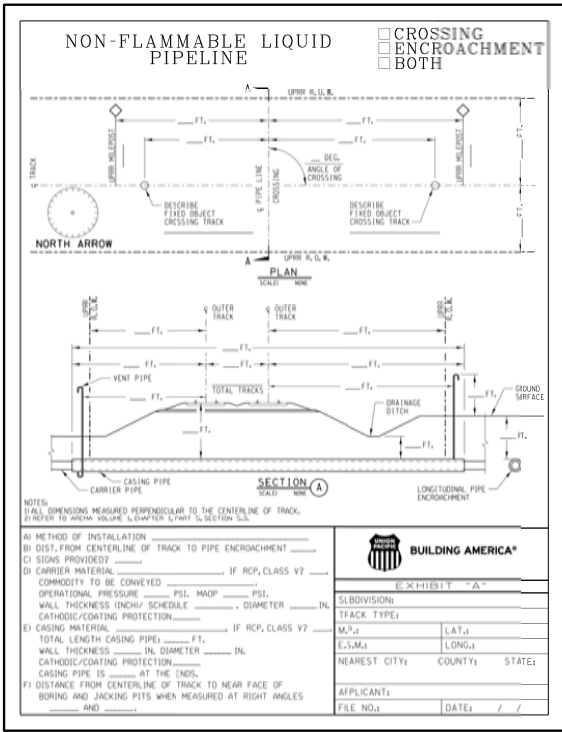
P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES
NORWALK BOULEVARD
RECYCLED WATER PLAN

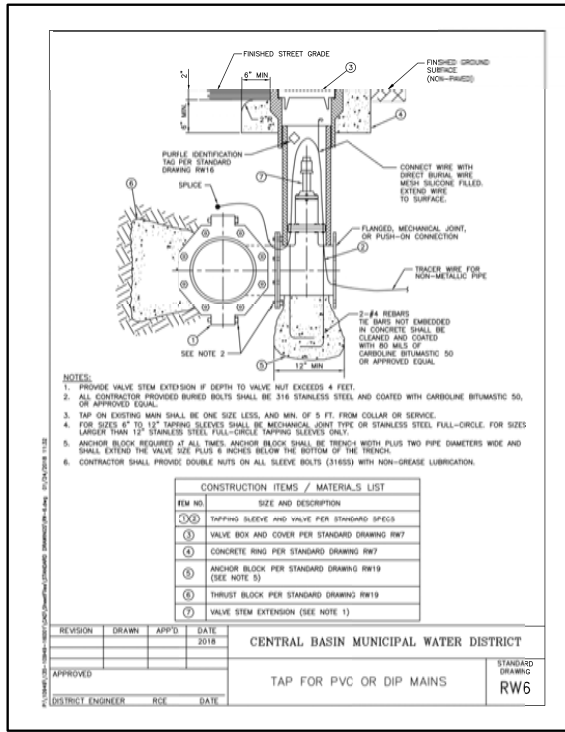
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C-11
SHEET No. 11 OF 37

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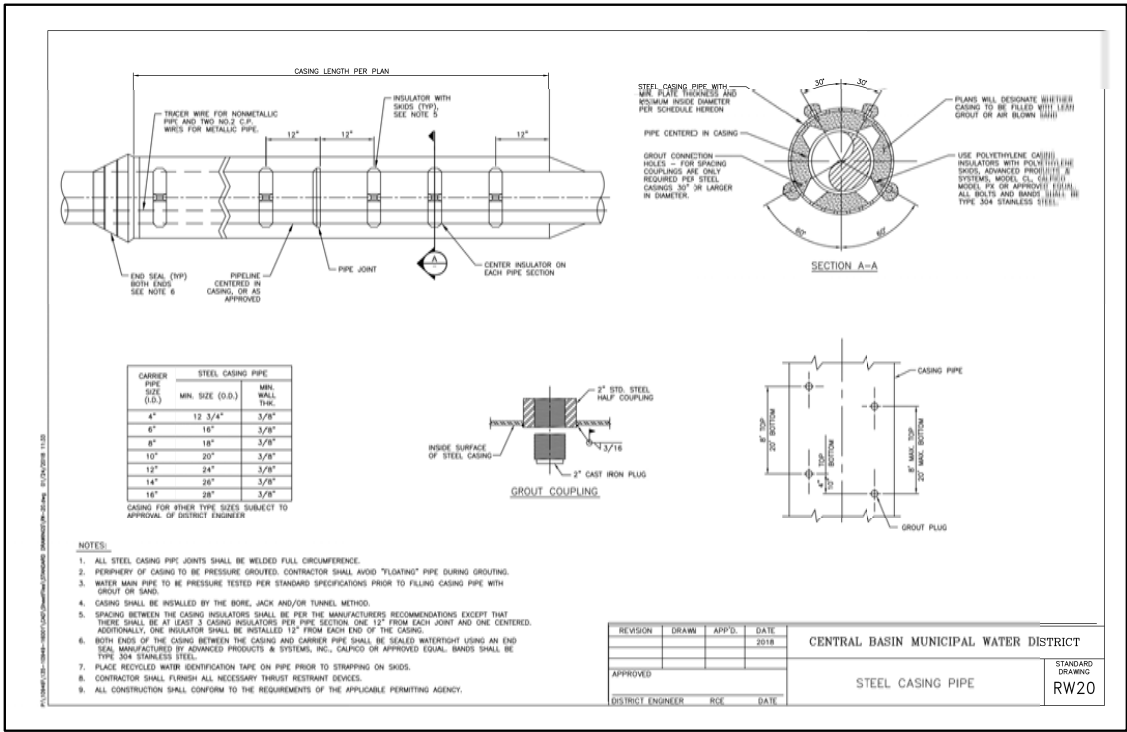
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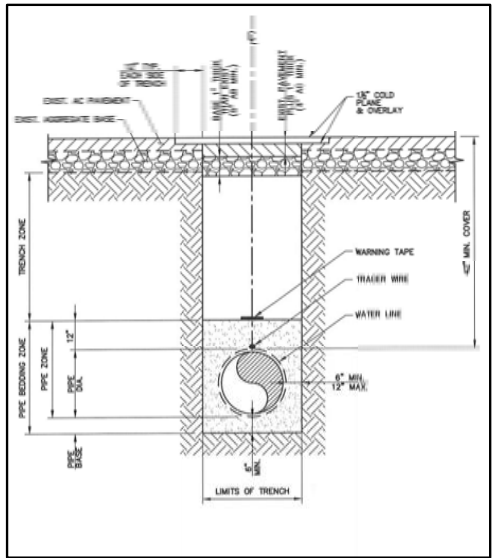
PIPELINE CROSSING DETAIL
N.T.S.



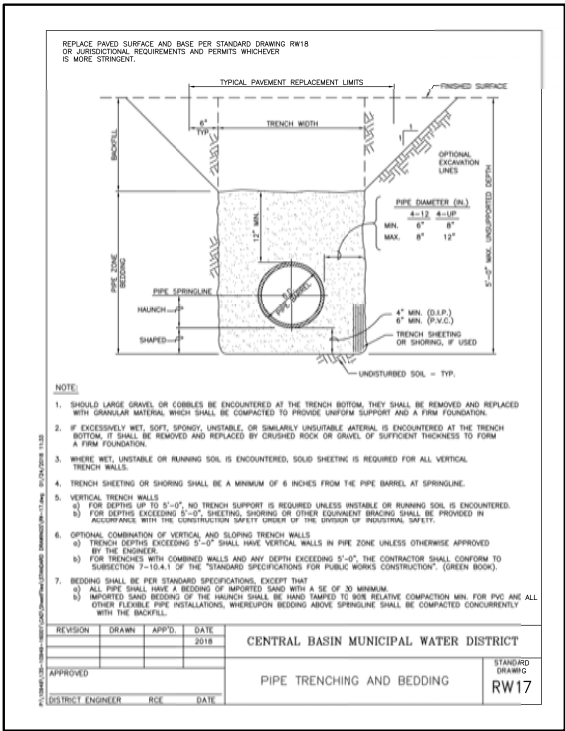
TAP EXISTING RW MAIN DETAIL
N.T.S.



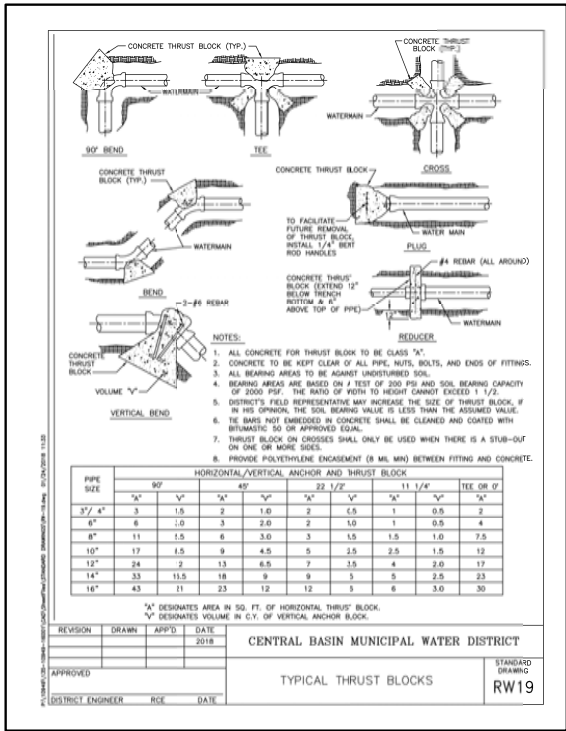
STEEL ENCASEMENT DETAIL
N.T.S.



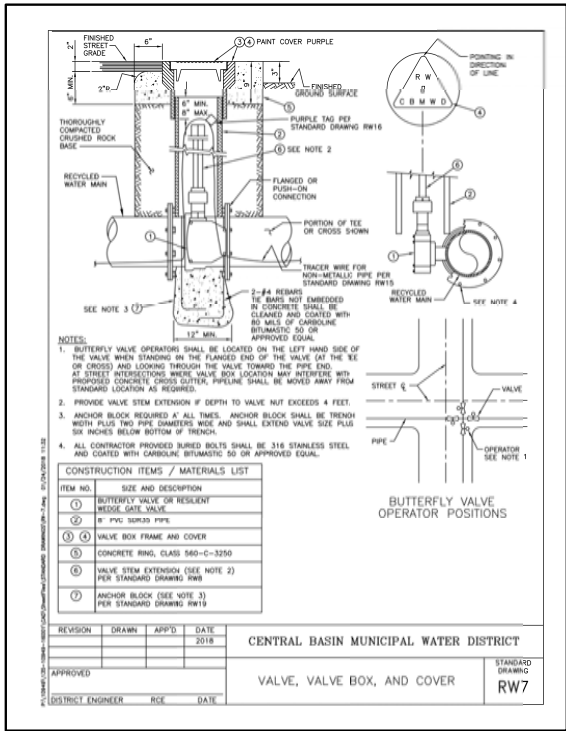
TRENCH PATCH DETAIL
N.T.S.



PIPE TRENCHING AND BEDDING DETAIL
N.T.S.



THRUST BLOCK DETAIL
N.T.S.



4" GATE VALVE DETAIL
N.T.S.



DRAWING No.

C-12

SHEET No. 12 OF 37

REV	DATE	BY	DESCRIPTION	APPD



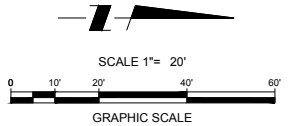
PLANS PREPARED BY:
VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CM/K/RSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT
P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

DETAILS



Know what's below.
Call before you dig.

REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

VALUED
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CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
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APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #1: CITY OF BELLFLOWER
16600 CIVIC CENTER DR BELLFLOWER, CA 90706
EXISTING SITE PLAN

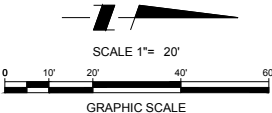
DRAWING No.

C-14

SHEET No. 14 OF 37



NOTE:
ALL EXISTING IRRIGATION BOXES AND QUICK COUPLER BOXES ARE GREEN. QUICK COUPLERS TO BE REPLACED WITH ACME THREAD QUICK COUPLERS WITH PURPLE HEADS OF EQUIVALENT SIZE. ANY QUICK COUPLERS NOT IN PURPLE VALVE BOXES SHALL BE RETROFITTED WITH NDS, PART NO. 107PBCR, 6" ROUND BO WITH ROUND OVERLAPPING COVER – RECLAIMED WATER PURPLE/PURPLE .
ALL GREEN CONTROL VALVES BOXES AND QUICK COUPLER LIDS TO BE MARKED WITH A RECLAIMED/RECYCLED WATER VALVE BOX NAMEPLATE CHRISTY'S, SKU 3800, OR APPROVED EQUAL, AND INSTALLED WITH STEEL OR ALUMINUM POP RIVETS.
ALL CONTROL VALVES AND QUICK COUPLERS TO BE TAGGED WITH RECYCLED WATER TAG, CHRISTY'S, SKU: ID-MAX-P1-RC008, OR APPROVED EQUAL.



REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES**

SITE #1: CITY OF BELLFLOWER
CONVERSION PLAN

DRAWING No.

C-15

SHEET No. 15 OF 37

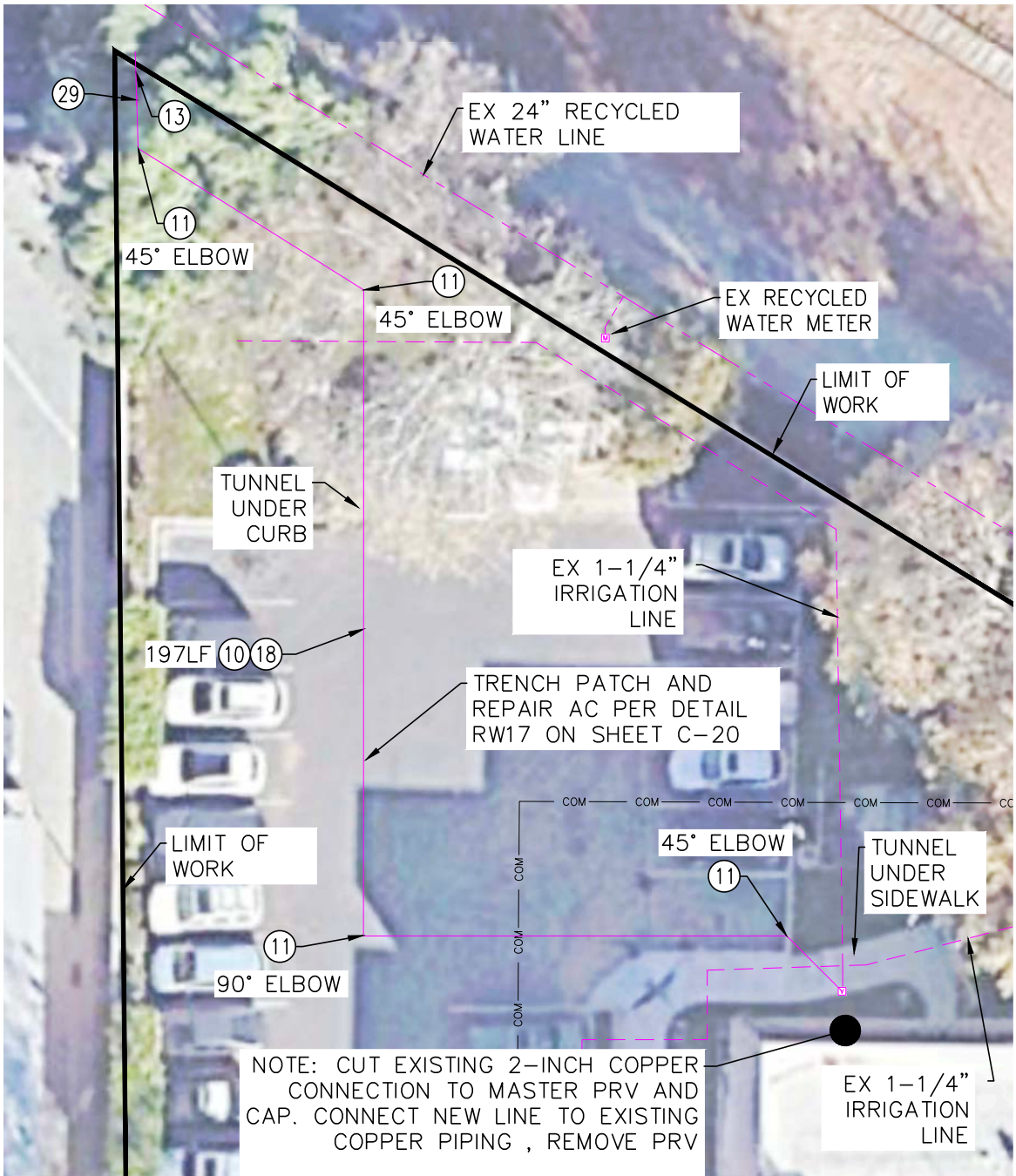
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SaveDate: 7/22/2024 7:44 AM



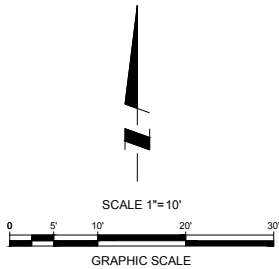
EXISTING METER DETAIL
SCALE: 1"=10'



IRRIGATION MODIFICATION DETAIL
SCALE: 1"=10'

CONSTRUCTION ITEMS

- ⑩ FURNISH AND INSTALL 1-1/4" PVC, SDR-40 PER MANUFACTURER'S SPECIFICATIONS
- ⑪ FURNISH AND INSTALL 1-1/4" BEND PER MANUFACTURER'S SPECIFICATIONS
- ⑬ REMOVE END CAP
- ⑱ PIPE TRENCHING AND BEDDING PER CBMWD STD. DWG RW17
- ②⑨ FURNISH AND INSTALL 1-1/4" PRESSURE REDUCING VALVE (PRV) PER MANUFACTURER'S SPECIFICATIONS



P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C16 BELLFLOWER DTL.dwg

REV	DATE	BY	DESCRIPTION	APPD



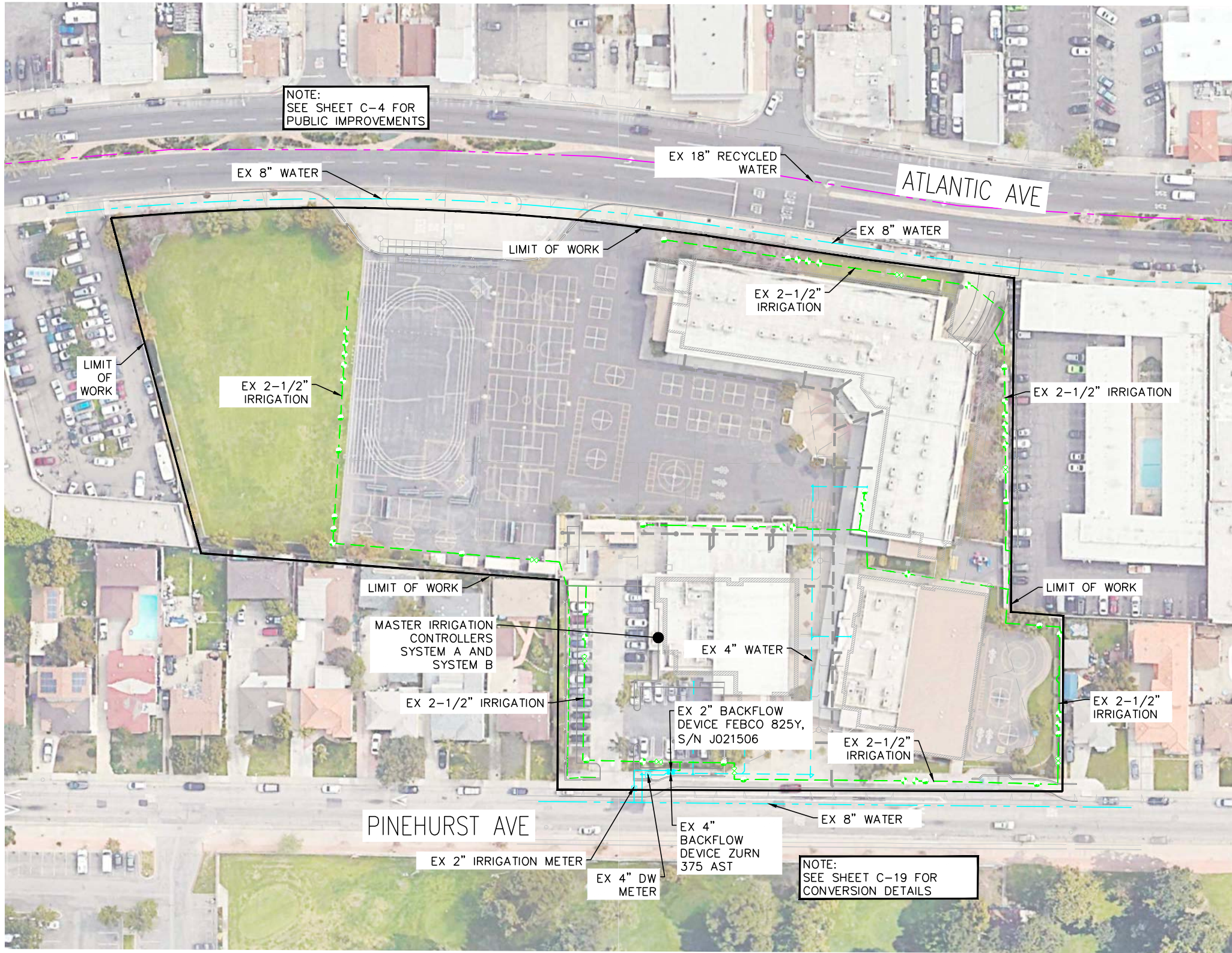
PLANS PREPARED BY:

VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT P.O. BOX 911579 COMMERCE, CA 90040-2512 PHONE: (323) 201-5500	PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES SITE #1: CITY OF BELLFLOWER CONSTRUCTION DETAIL	DRAWING No. C-16 SHEET No. 16 OF 37
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LEGEND

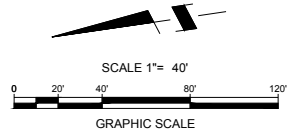
- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- FW EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- G EXISTING GAS LINE
- SS EXISTING SEWER LINE
- SD EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE

EXISTING NPW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE, 1"
- REMOTE CONTROL VALVE
- 24 STATION IRRIGATION CONTROLLER
- MAINLINE GATE VALVE - RESILIENT WEDGE
- PRESSURE REGULATING RELIEF VALVE
- RPPD BACKFLOW PREVENTER
- WATER METER
- FLOW SENSOR ASSEMBLY
- ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP



P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C17 TWEEDY EXIST.dwg

REV	DATE	BY	DESCRIPTION	APPD



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CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CM/KK/RSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #2: TWEEDY ELEMENTARY SCHOOL
9724 PINEHURST AVENUE SOUTH GATE, CA 90280
EXISTING SITE PLAN

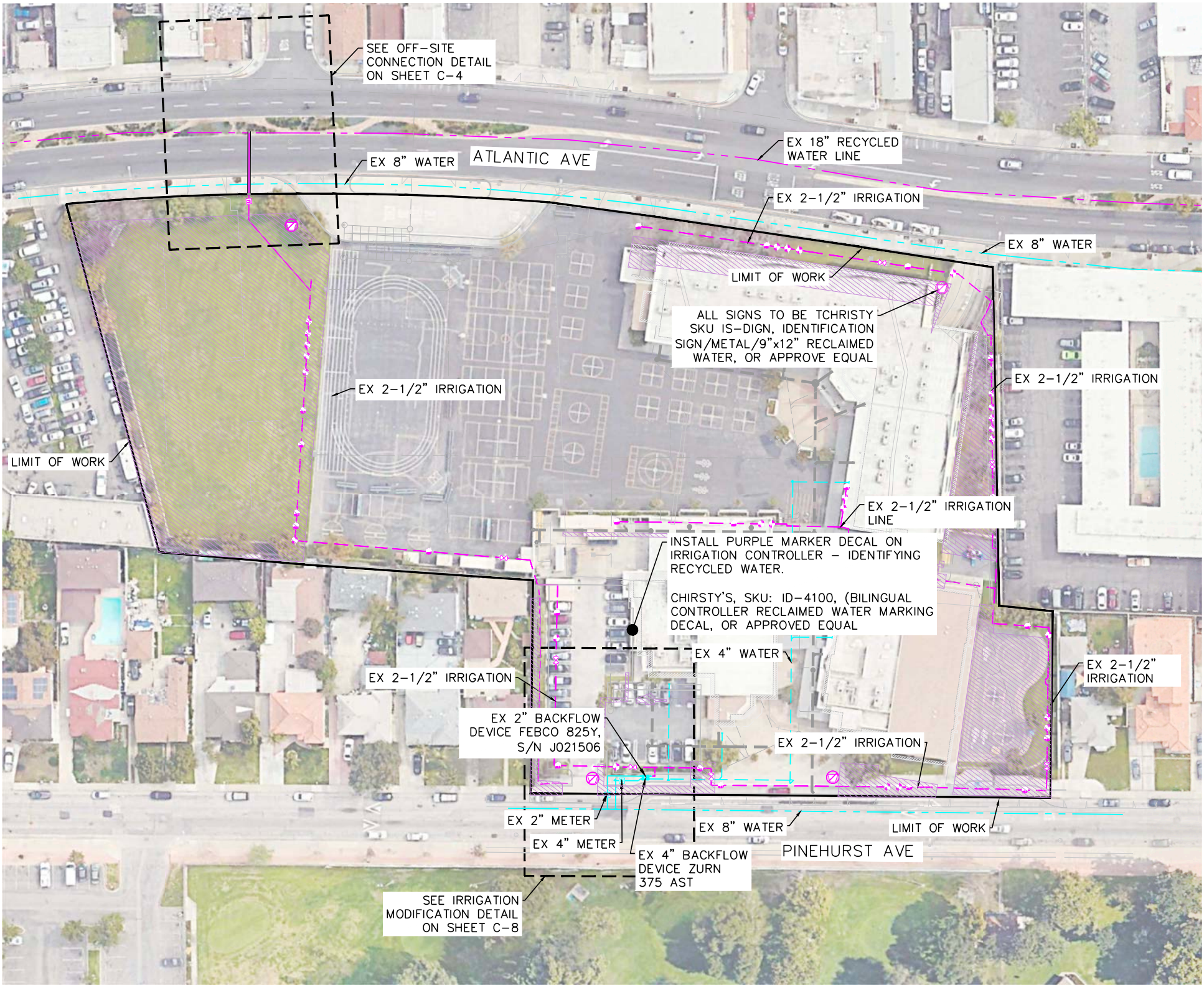


DRAWING No.

C-17

SHEET No. 17 OF 36

XXXX



LEGEND

- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- FW EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- G EXISTING GAS LINE
- SS EXISTING SEWER LINE
- SD EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE
- PROPOSED RW IRRIGATION AREAS

EXISTING NPW IRRIGATION EQUIPMENT

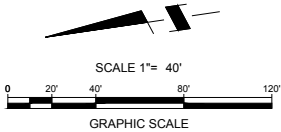
- QUICK COUPLING VALVE, 1"
- REMOTE CONTROL VALVE
- 24 STATION IRRIGATION CONTROLLER
- MAINLINE GATE VALVE - RESILIENT WEDGE
- PRESSURE REGULATING RELIEF VALVE
- RPPD BACKFLOW PREVENTER
- WATER METER
- FLOW SENSOR ASSEMBLY
- ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP

NEW RW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE, 1"
- REMOTE CONTROL VALVE
- MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE
- WATER METER
- PRESSURE REDUCER
- MASTER VALVE
- FLOW SENSOR ASSEMBLY
- RECYCLED WATER SIGN
- WATER PUMP
- RPPD BACKFLOW PREVENTER
- END CAP



P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C18 TWEEDY PROP.dwg

REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

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CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES**

SITE #2: TWEEDY ELEMENTARY SCHOOL

CONVERSION PLAN

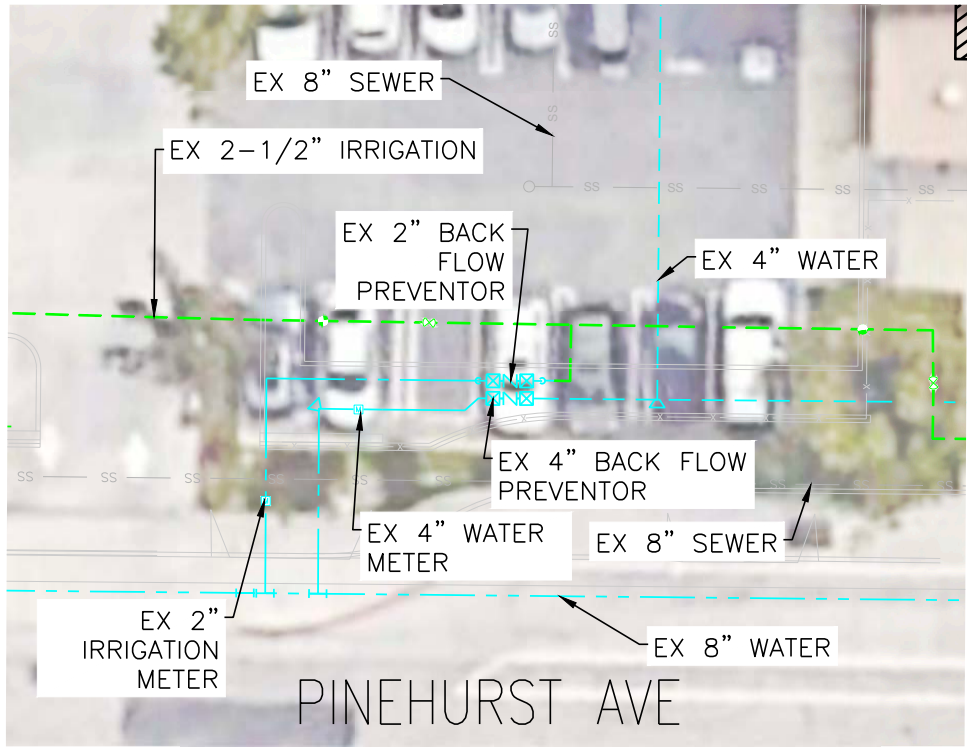
DRAWING No.

C-18

SHEET No. 18 OF 37

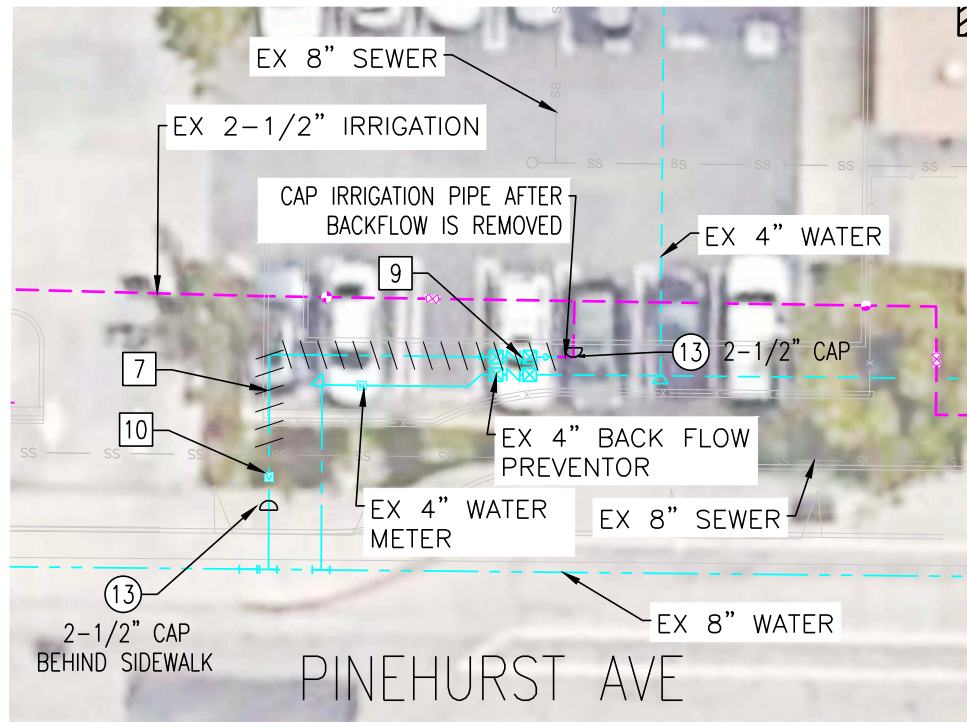
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EXISTING METER DETAIL

SCALE: 1"=10'



IRRIGATION MODIFICATION

SCALE: 1"=10'

NOTE OFFSITE WORK DONE BY CONTRACTOR

DEMOLITION ITEMS

- 7 DISCONNECT AND REMOVE EX 2-1/2" PVC PIPE
- 9 DISCONNECT AND REMOVE EX 2" BACKFLOW PREVENTOR
- 10 DISCONNECT AND REMOVE EX 2" WATER METER

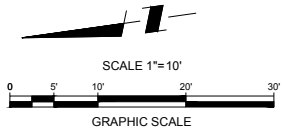
CONSTRUCTION ITEMS

- 13 FURNISH AND INSTALL END CAP (SIZE PER PLAN)
- 18 PIPE TRENCHING AND BEDDING PER CBMWD STD. DWG RW17
- 19 FURNISH AND INSTALL 2-1/2" PVC, SDR-40 PER MANUFACTURER'S SPECIFICATIONS
- 26 FURNISH AND INSTALL 2-1/2" PVC, 45° ELBOW PER MANUFACTURER'S SPECIFICATIONS
- 31 FURNISH AND INSTALL 2-1/2" PVC TRANSITION FITTING PER MANUFACTURER'S SPECIFICATIONS



OFF-SITE CONNECTION

SCALE: 1"=10'



P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C19 TWEEDY DTL.dwg

REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

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1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES**

SITE #2: TWEEDY ELEMENTARY SCHOOL

CONSTRUCTION DETAILS

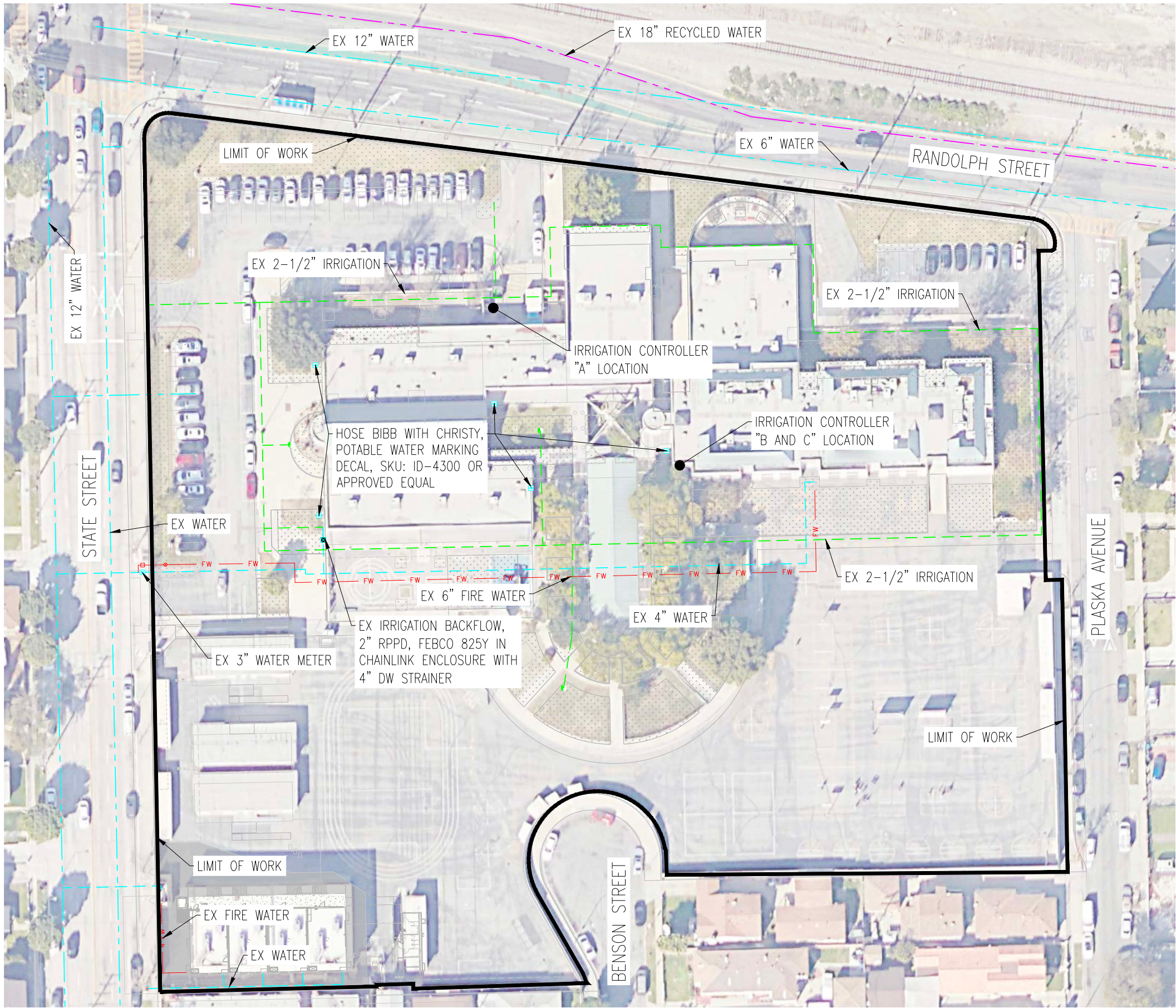
DRAWING No.

C-19

SHEET No. 19 OF 37

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SaveDate: 7/21/2024 5:57 PM



LEGEND

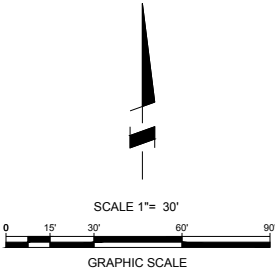
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- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- EXISTING GAS LINE
- EXISTING SEWER LINE
- EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE

SAMPLE EXISTING NPW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE
- REMOTE CONTROL VALVE
- 24 STATION IRRIGATION CONTROLLER
- MAINLINE GATE VALVE - RESILIENT WEDGE
- PRESSURE REGULATING RELIEF VALVE
- RPPD BACKFLOW PREVENTER
- WATER METER
- FLOW SENSOR ASSEMBLY
- ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

SAMPLE EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP
- HOSE BIBB IN WALL





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DRAWING No.


C-20

SHEET No. 20 OF 37

REV	DATE	BY	DESCRIPTION	APPD



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1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

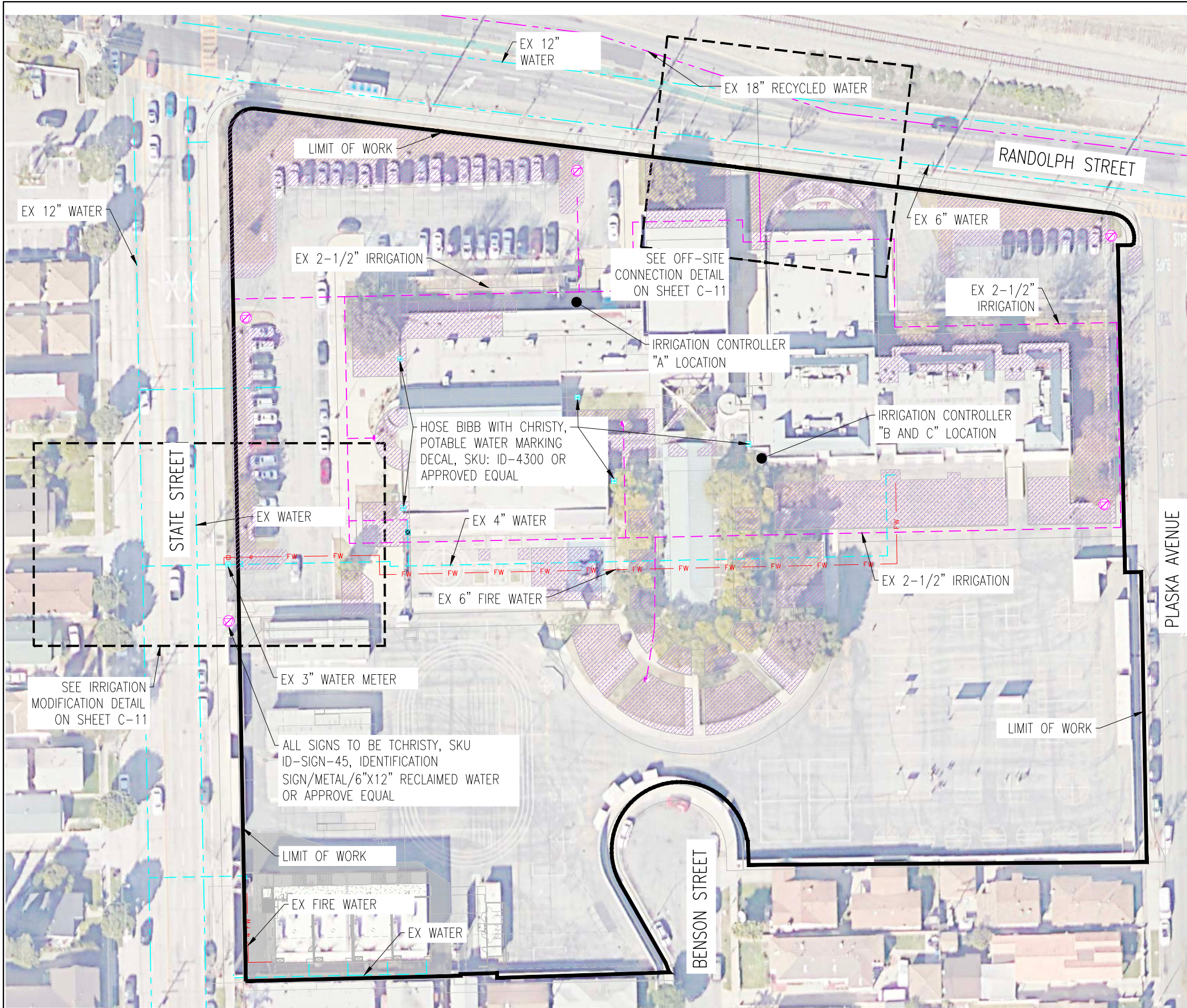
DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KR/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #3: SAN ANTONIO ELEMENTARY SCHOOL
6222 STATE STREET HUNTINGTON PARK, CA 90255
EXISTING SITE PLAN



LEGEND

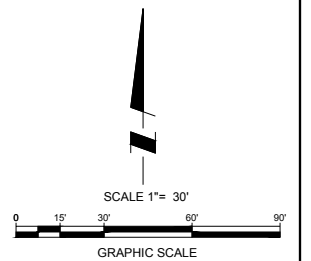
- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- EXISTING GAS LINE
- EXISTING SEWER LINE
- EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE
- PROPOSED RW IRRIGATION AREAS

SAMPLE EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP
- HOSE BIBB IN WALL

SAMPLE NEW RW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE
- REMOTE CONTROL VALVE
- MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE
- WATER METER
- PRESSURE REDUCER
- MASTER VALVE
- FLOW SENSOR ASSEMBLY
- RECYCLED WATER SIGN
- WATER PUMP
- RPPD BACKFLOW PREVENTER
- END CAP



NOTE: ALL EXISTING IRRIGATION ARE BOXES CONCRETE WITH CAST LIDS. QUICK COUPLERS TO BE REPLACED WITH ACME THREAD QUICK COUPLERS WITH PURPLE HEADS OF EQUIVALENT SIZE. QUICK COUPLERS TO BE RETROFITTED WITH PURPLE VALVE BOXES, NDS, PART NO. 107PBCR, 6" ROUND BOX WITH ROUND OVERLAPPING COVER - RECLAIMED WATER PURPLE/PURPLE.

ALL CAST IRON CONTROL VALVE BOX LIDS TO BE PRIMED AND PAINTED PURPLE.

ALL CONTROL VALVES AND QUICK COUPLERS TO BE TAGGED WITH RECYCLED WATER TAG, CHRISTY'S, SKU: ID-MAX-P1-RC008, OR APPROVED EQUAL.



Know what's below.
Call before you dig.

REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES**

SITE #3: SAN ANTONIO ELEMENTARY SCHOOL

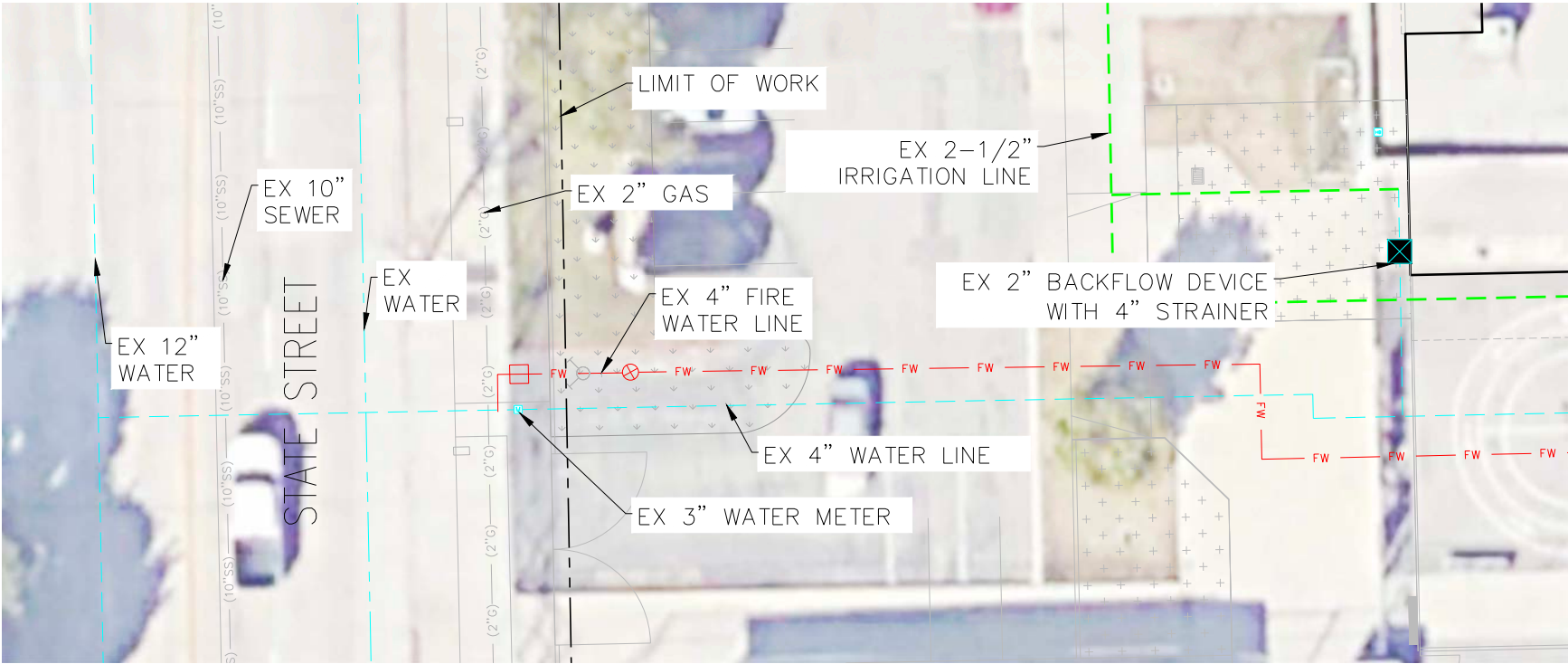
CONVERSION PLAN

DRAWING No.

C-21

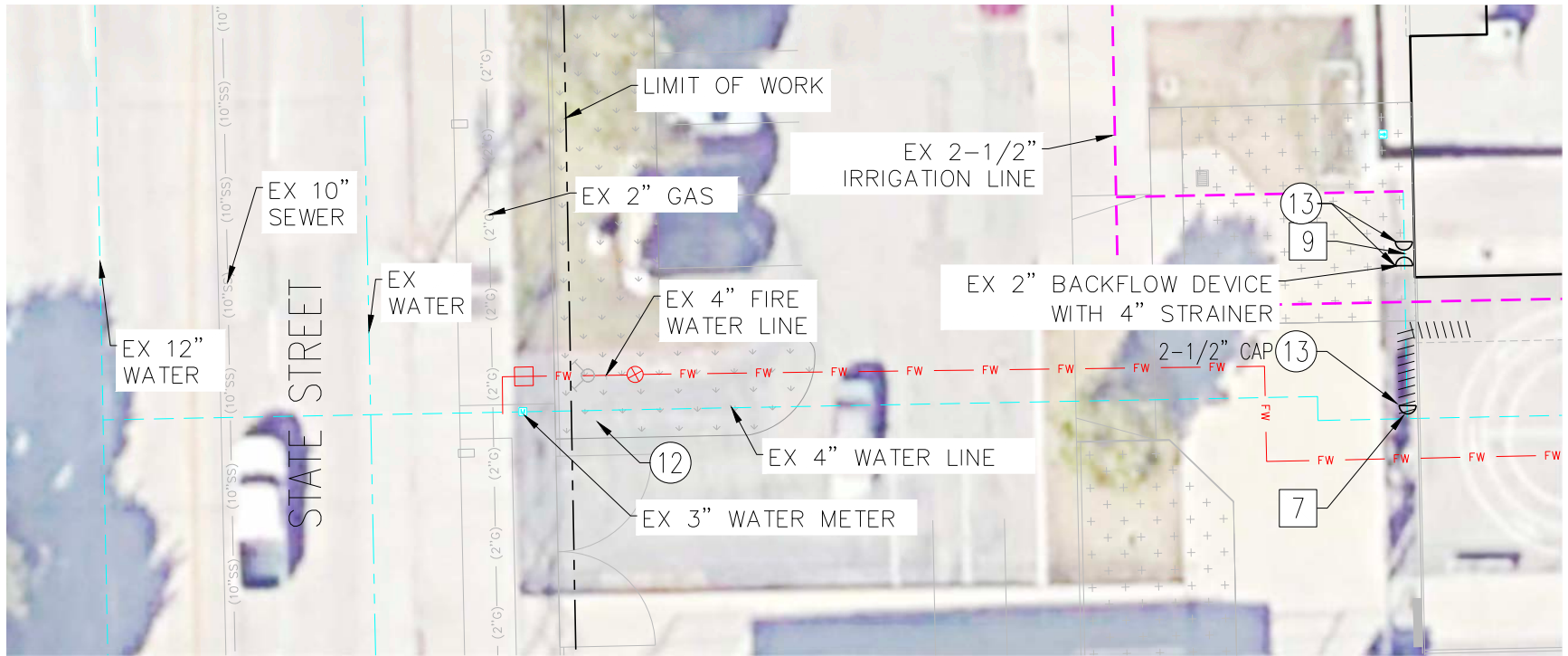
SHEET No. 21 OF 37

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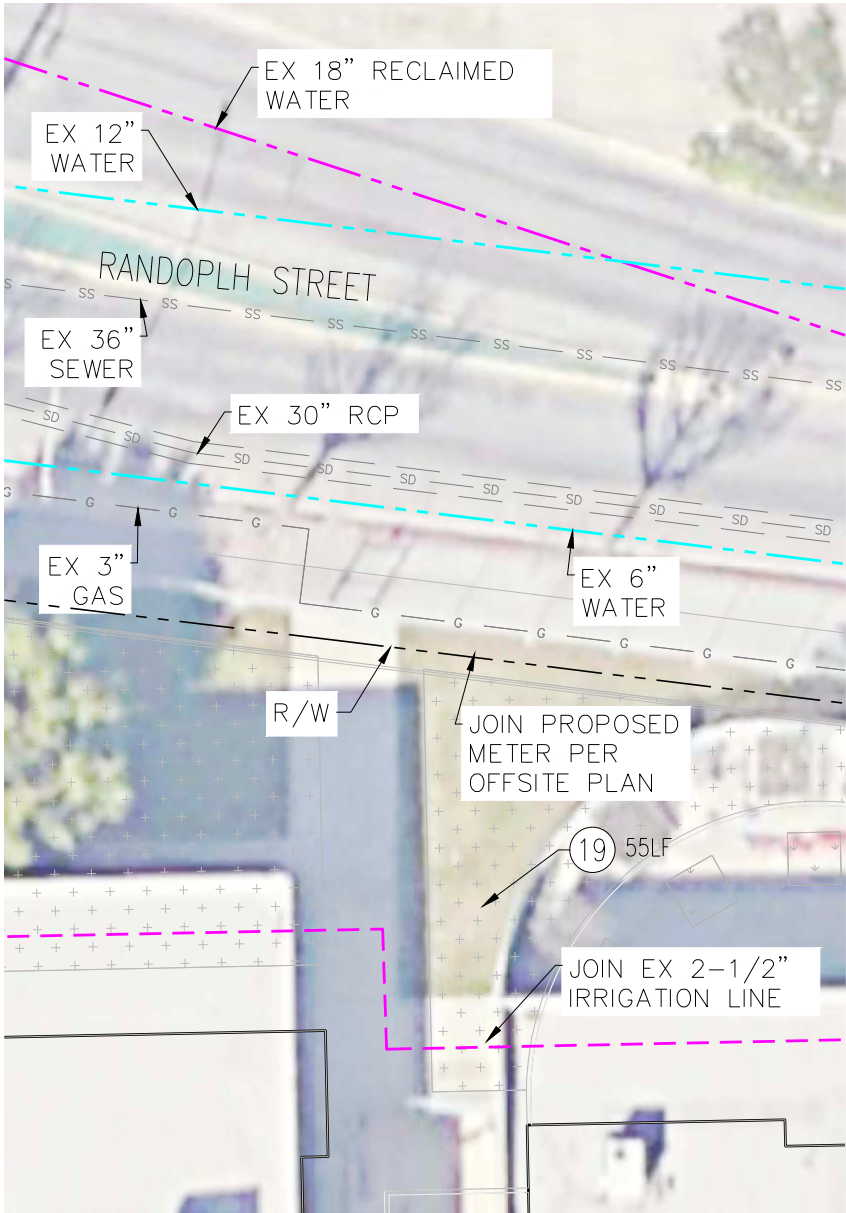
EXISTING METER DETAIL

SCALE: 1"=10'



IRRIGATION MODIFICATION DETAIL

SCALE: 1"=10'



OFF-SITE CONNECTION DETAIL

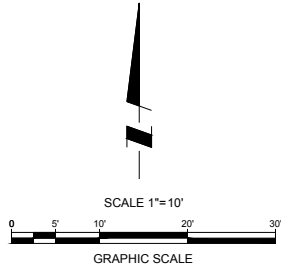
SCALE: 1"=10'

DEMOLITION ITEMS

- 7 DISCONNECT AND REMOVE EX 2-1/2" PVC
- 9 DISCONNECT AND REMOVE EX 2-1/2" BACKFLOW PREVENTER

CONSTRUCTION ITEMS

- 12 FURNISH AND INSTALL BACK FLOW PREVENTOR PER CITY OF HUNTINGTON PARK SPECIFICATIONS, REQUIRED STRAINER TO REMAIN.
- 13 FURNISH AND INSTALL END CAP



Know what's below.
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REV	DATE	BY	DESCRIPTION	APPROVED



ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
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APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #3: SAN ANTONIO ELEMENTARY SCHOOL

CONSTRUCTION DETAILS

DRAWING No.

C-22

SHEET No. 22 OF 37

LEGEND

- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- EXISTING GAS LINE
- EXISTING SEWER LINE
- EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE

SAMPLE EXISTING NPW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE, 1"
- REMOTE CONTROL VALVE
- 24 STATION IRRIGATION CONTROLLER
- MAINLINE GATE VALVE - RESILIENT WEDGE
- PRESSURE REGULATING RELIEF VALVE
- RPPD BACKFLOW PREVENTER
- WATER METER
- FLOW SENSOR ASSEMBLY
- ATMOSPHERIC VACCUUM BREAKER OR PRESSURE VACUUM BREAKER

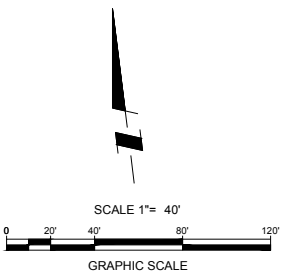
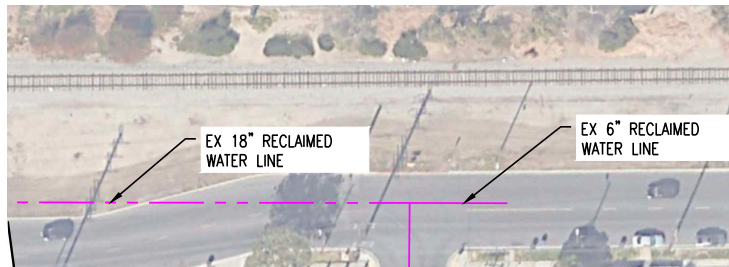
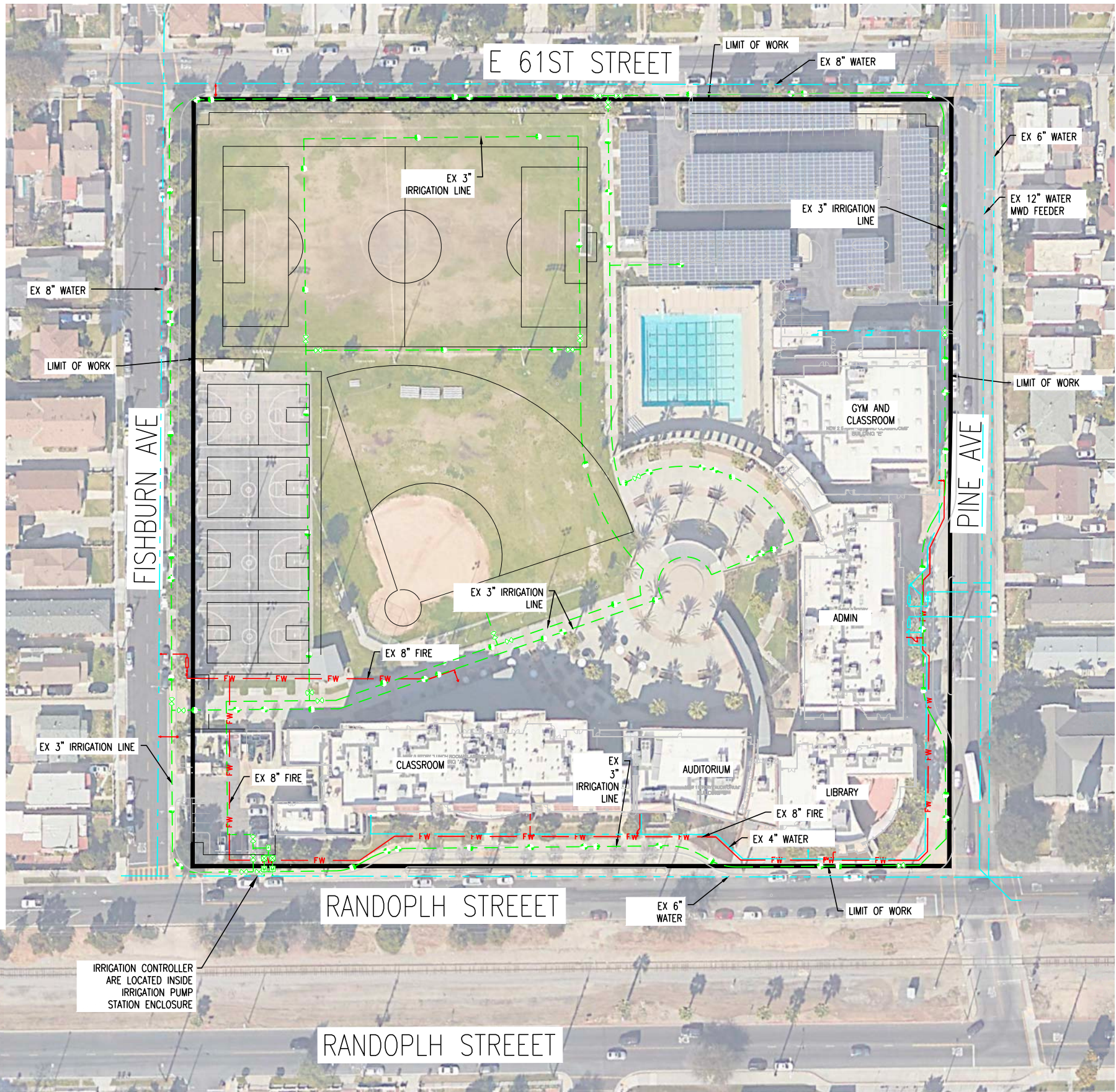
SAMPLE EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP

NOTE: (ESTIMATE OF 20 BROKEN ROUND QUICK COUPLER BOXES). ALL EXISTING IRRIGATION BOXES ARE PLASTIC WITH PLASTIC LIDS. QUICK COUPLERS TO BE REPLACED WITH ACME THREAD QUICK COUPLERS WITH PURPLE HEADS OF EQUIVALENT SIZE. QUICK COUPLERS TO BE RETROFITTED WITH PURPLE VALVE BOXES, NDS, PART NO. 107PBCR, 6" ROUND BOX WITH ROUND OVERLAPPING COVER - RECLAIMED WATER PURPLE/PURPLE.

ALL CONTROL VALVES AND QUICK COUPLERS TO BE TAGGED WITH RECYCLED WATER TAG, CHRISTY'S, SKU: ID-MAX-P1-RC008, OR APPROVED EQUAL.

INSTALL LABELS ON WALL HOSE BIBB WITH CHRISTY, POTABLE WATER MARKING DECAL, SKU: ID-4300 OR APPROVED EQUAL



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ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CM/KR/RSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES
SITE #5: MAYWOOD ACADEMY HIGH SCHOOL
6215 PINE AVENUE MAYWOOD, CA 90270
EXISTING SITE PLAN

DRAWING No.

C-26

SHEET No. 26 OF 37

P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C27 MAYWOOD PROP IM.dwg

LEGEND

- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- FW EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- G G EXISTING GAS LINE
- SS SS EXISTING SEWER LINE
- SD SD EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE
- PROPOSED RW IRRIGATION AREAS

EXISTING NPW IRRIGATION EQUIPMENT

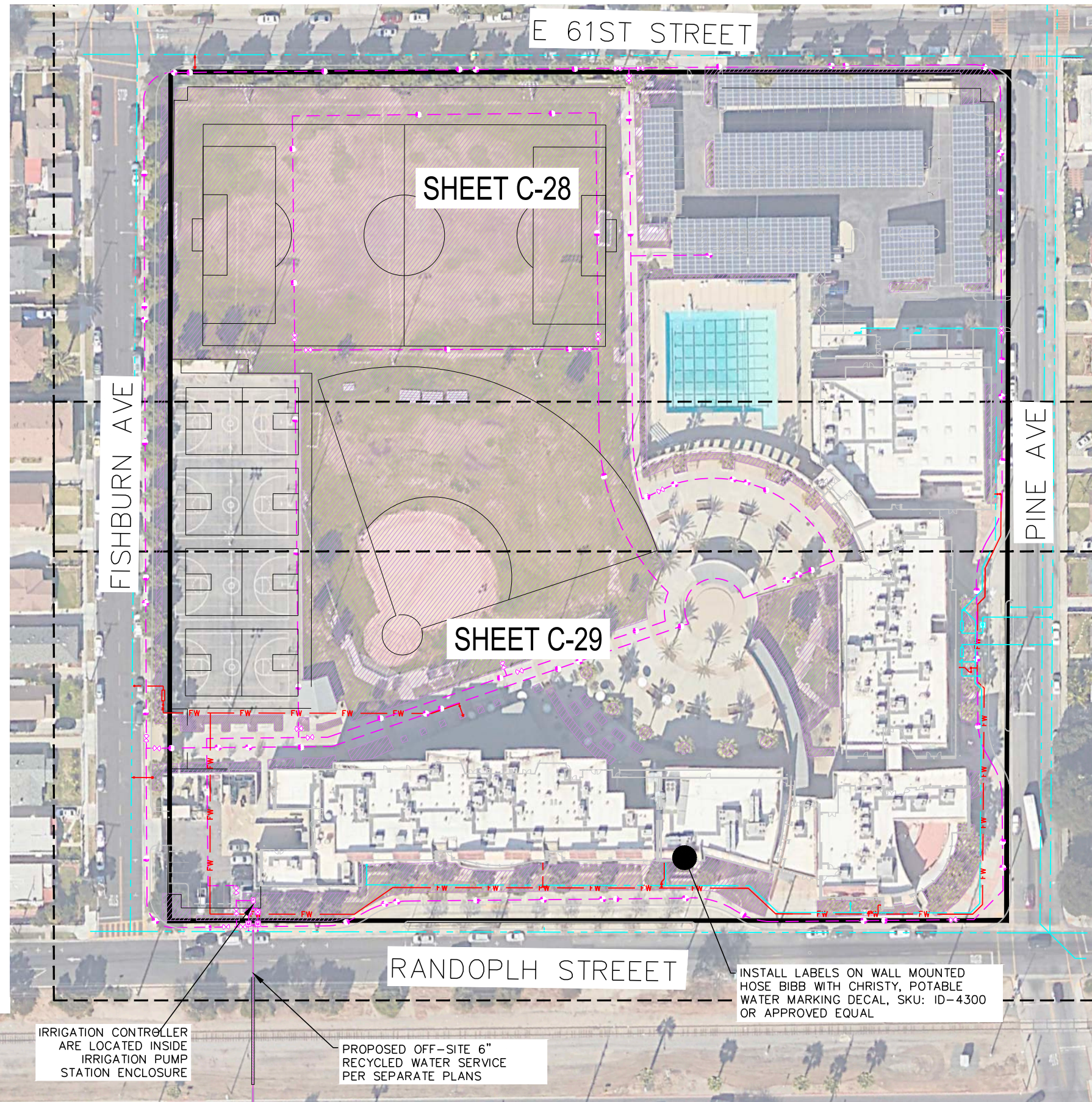
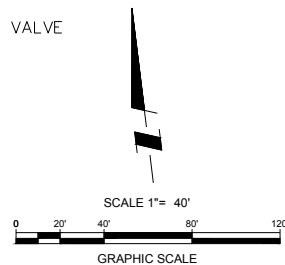
- QUICK COUPLING VALVE, 1"
- REMOTE CONTROL VALVE
- 24 STATION IRRIGATION CONTROLLER
- MAINLINE GATE VALVE - RESILIENT WEDGE
- PRESSURE REGULATING RELIEF VALVE
- RPPD BACKFLOW PREVENTER
- WATER METER
- FLOW SENSOR ASSEMBLY
- ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP

NEW RW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE
- REMOTE CONTROL VALVE
- MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE
- WATER METER
- PRESSURE REDUCER
- MASTER VALVE
- FLOW SENSOR ASSEMBLY
- RECYCLED WATER SIGN
- WATER PUMP
- RPPD BACKFLOW PREVENTER
- END CAP



REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

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CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES
SITE #5: MAYWOOD ACADEMY HIGH SCHOOL
SHEET INDEX MAP

811
Know what's below.
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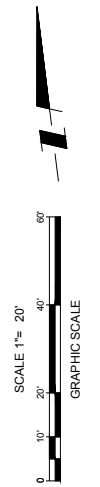
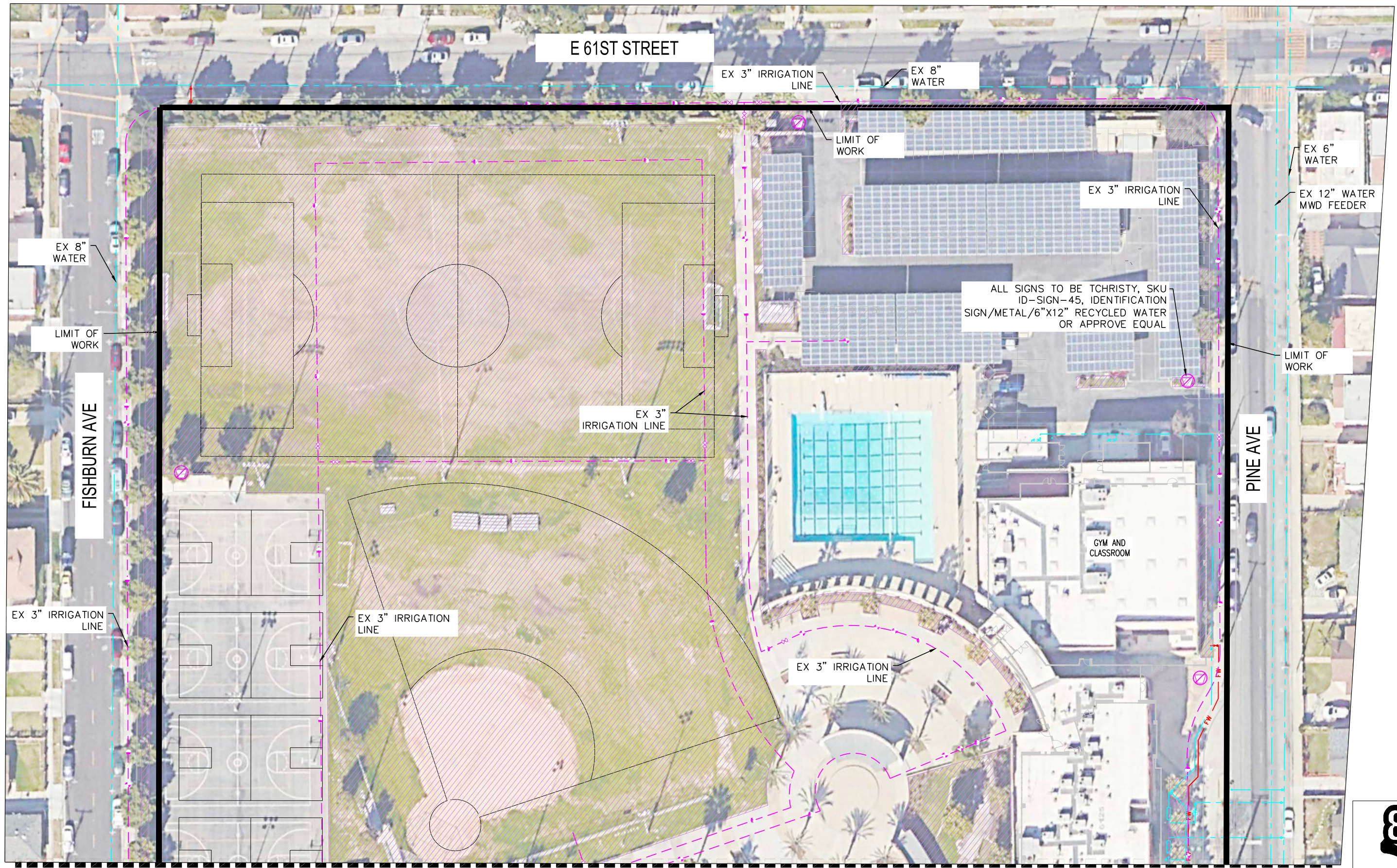
DRAWING No.

C-27

SHEET No. 27 OF 37

XXXXXX

SaveDate: 7/21/2024 10:40 PM



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DRAWING No.

C-28

SHEET No. 28 OF 37

E 61ST STREET

EX 3" IRRIGATION LINE

EX 8" WATER

LIMIT OF WORK

EX 3" IRRIGATION LINE

EX 6" WATER

EX 12" WATER MWD FEEDER

ALL SIGNS TO BE TCHRISTY, SKU ID-SIGN-45, IDENTIFICATION SIGN/METAL/6"x12" RECYCLED WATER OR APPROVE EQUAL

LIMIT OF WORK

PINE AVE

GYM AND CLASSROOM

EX 3" IRRIGATION LINE

EX 3" IRRIGATION LINE

EX 3" IRRIGATION LINE

EX 8" WATER

LIMIT OF WORK

FISHBURN AVE

EX 3" IRRIGATION LINE

SEE DRAWING C-18

P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C28 MAYWOOD PROP.dwg

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1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

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DRAWN BY:	CM/KK/RSM	DATE:	05/02/2024
CHECKED BY:	JDM	DATE:	05/03/2024
APPROVED:	ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:	

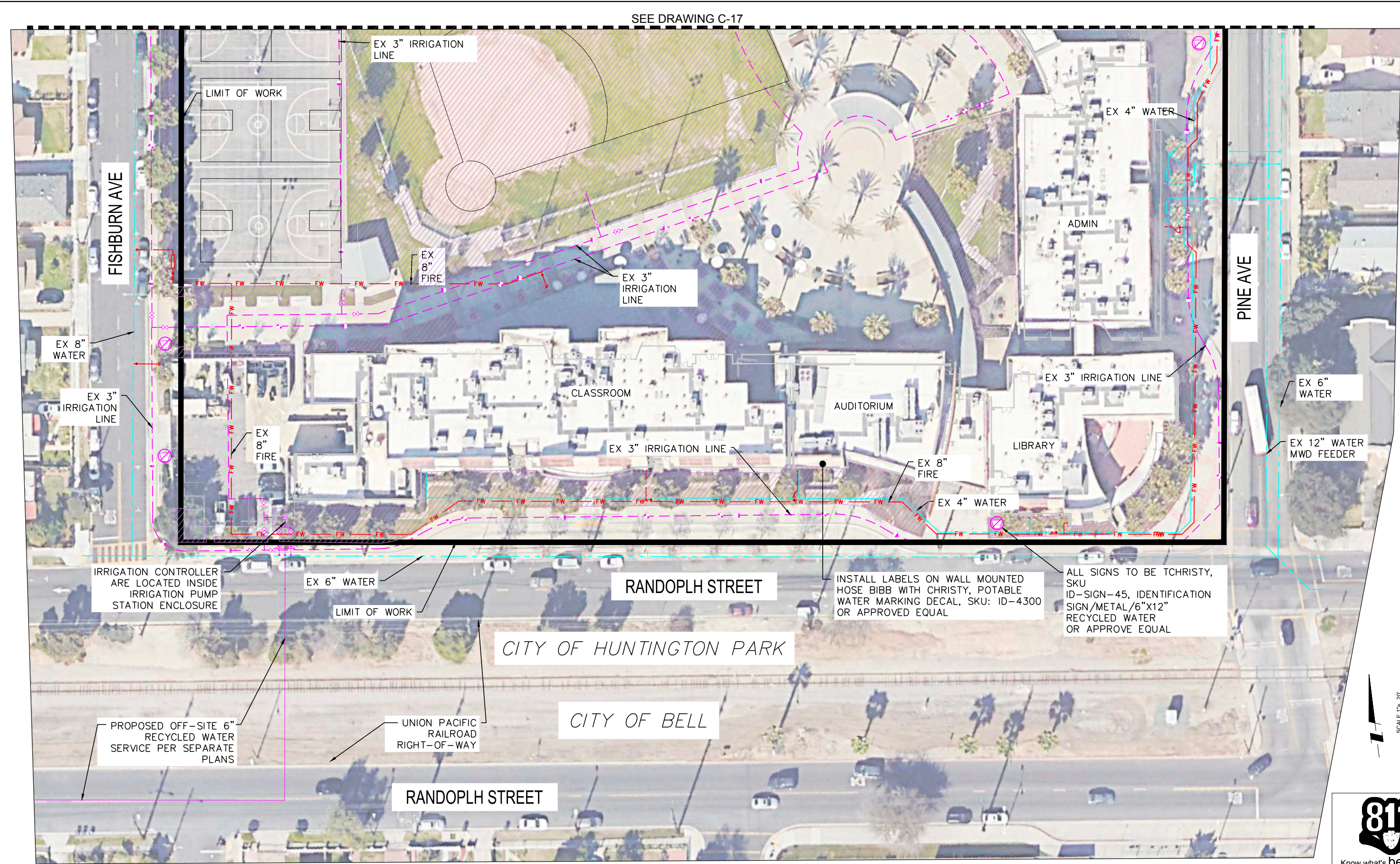
CENTRAL BASIN MUNICIPAL WATER DISTRICT

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COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES**

SITE #5: MAYWOOD ACADEMY HIGH SCHOOL

CONVERSION PLAN



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DRAWING No.

C-29

SHEET No. 29 OF 37

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1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
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CENTRAL BASIN MUNICIPAL WATER DISTRICT

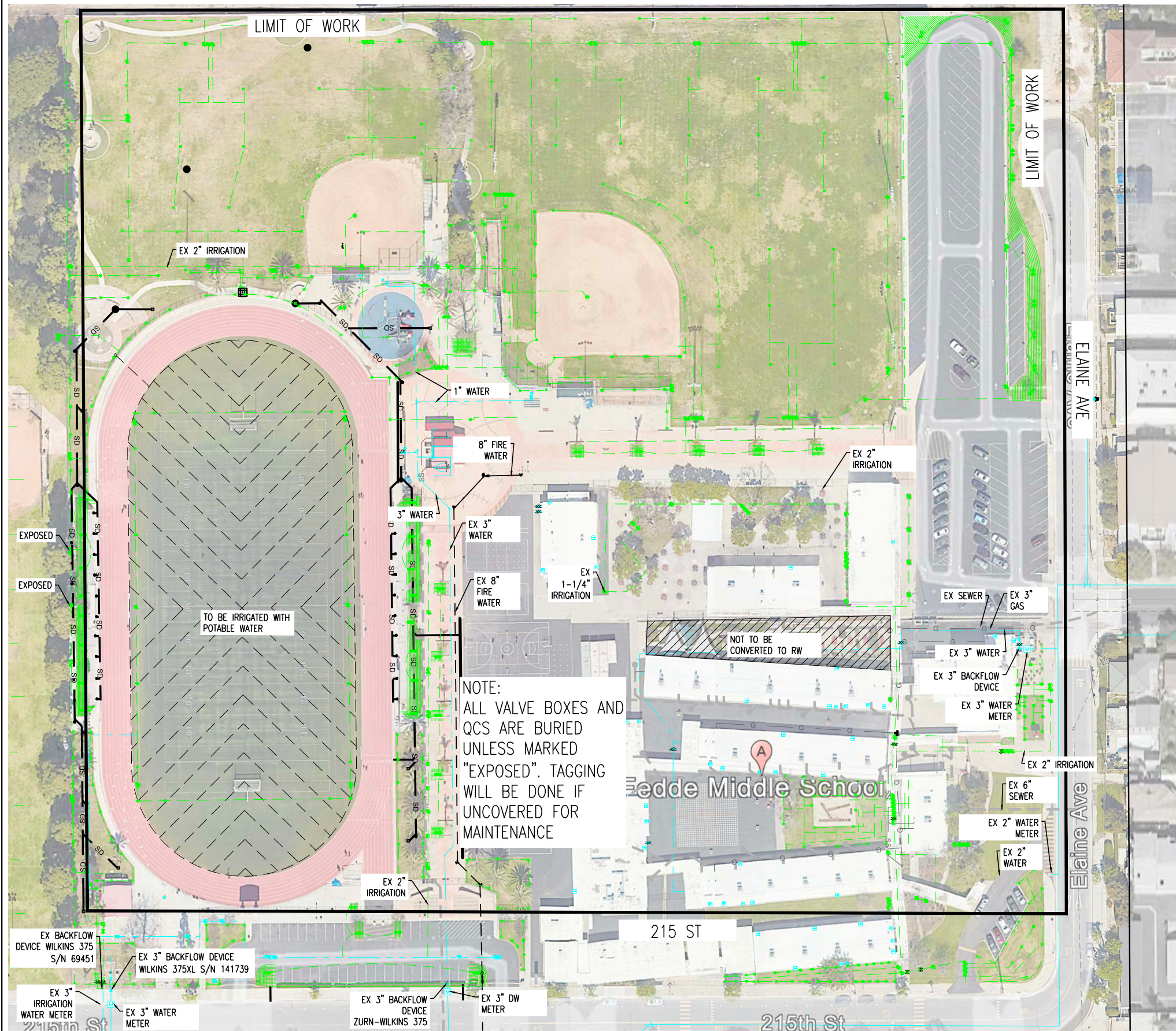
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COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES**

SITE #5: MAYWOOD ACADEMY HIGH SCHOOL

CONVERSION PLAN

P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C30 FEDE EXIST.dwg



LEGEND

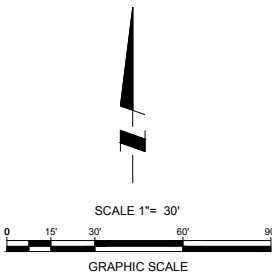
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- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- FW EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- G EXISTING GAS LINE
- SS EXISTING SEWER LINE
- SD EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE

EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP
- HOSE BIBB IN WALL
- BATHROOMS
- BOTTLE FILLER
- HAND WASHING STATION

EXISTING IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE
- REMOTE CONTROL VALVE
- LOW VOLUME CONTROL ZONE KIT
- RAINBIRD TREE BUBBLER
- TORO STRIP SPRAY
- TORO SPRAY
- HUNTER SPRAY
- HUNTER ROTOR
- NETAFIM DRIPPERLINE W/ CHECK VALVE
- LEEMCO PIPE TO PIPE RESTRAINT
- LEEMCO SELF-RESTRAINED FITTING



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PHONE: (909) 982-4601

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DRAWN BY: CM/KK/RS	DATE: 05/02/2024
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APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #6: FEDDE MIDDLE SCHOOL
21409 ELAINE AVE HAWAIIAN GARDEN, CA 90716
EXISTING SITE PLAN

DRAWING No.

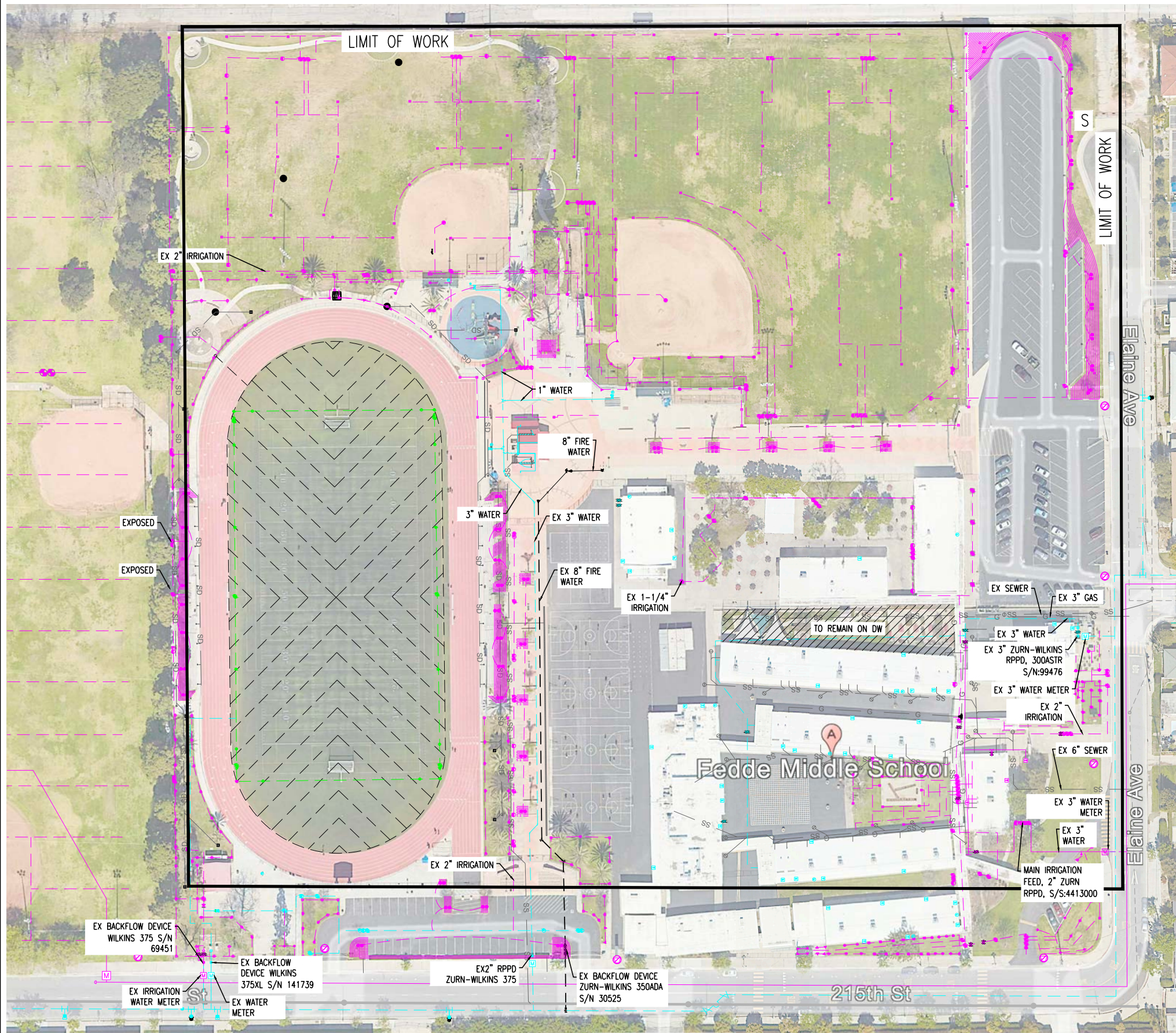
C-30

SHEET No. 30 OF 37

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LEGEND

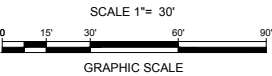
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- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- FW EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- G EXISTING GAS LINE
- SS EXISTING SEWER LINE
- SD EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE

EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP
- HOSE BIBB IN WALL
- BATHROOMS
- BOTTLE FILLER
- HAND WASHING STATION

NEW RW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE
- REMOTE CONTROL VALVE
- MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE
- WATER METER
- PRESSURE REDUCER
- MASTER VALVE
- RECYCLED WATER SIGN
- WATER PUMP
- RPPD BACKFLOW PREVENTER
- END CAP
- LOW VOLUME CONTROL ZONE KIT
- RAINBIRD TREE BUBBLER
- TORO STRIP SPRAY
- TORO SPRAY
- HUNTER SPRAY
- HUNTER ROTOR
- NETAFIM DRIPPERLINE W/ CHECK VALVE
- LEEMCO PIPE TO PIPE RESTRAINT
- LEEMCO SELF-RESTRAINED FITTING



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PLANS PREPARED BY:



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ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #6: FEDDE MIDDLE SCHOOL
21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716
EXISTING SITE PLAN

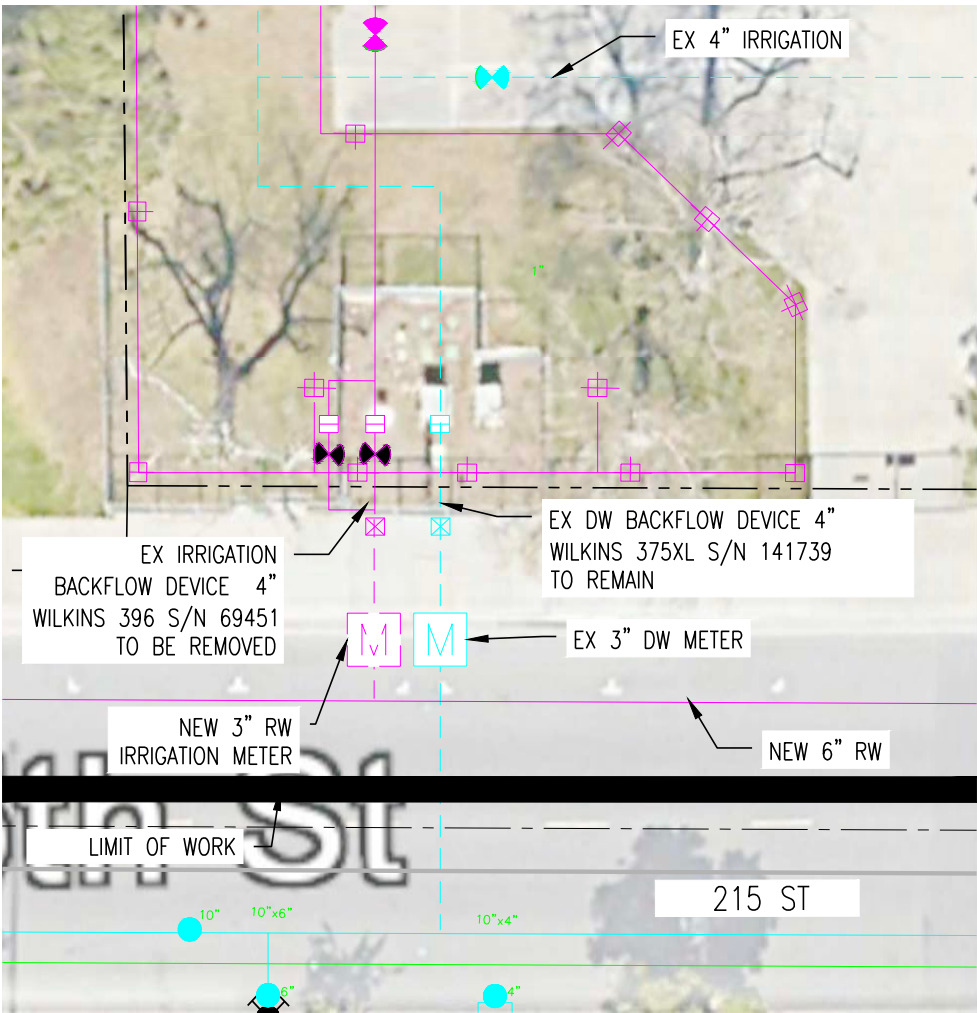
DRAWING No.

C-31

SHEET No. 31 OF 37

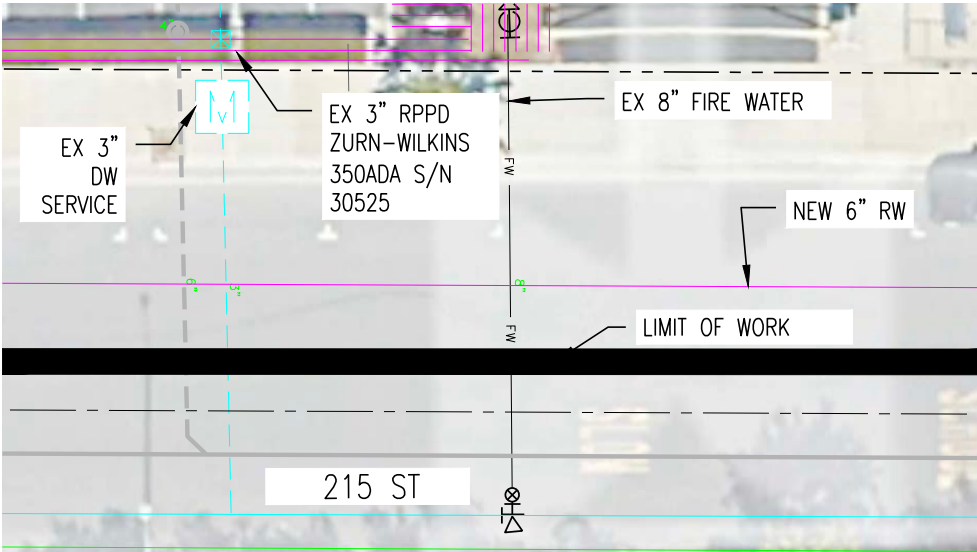
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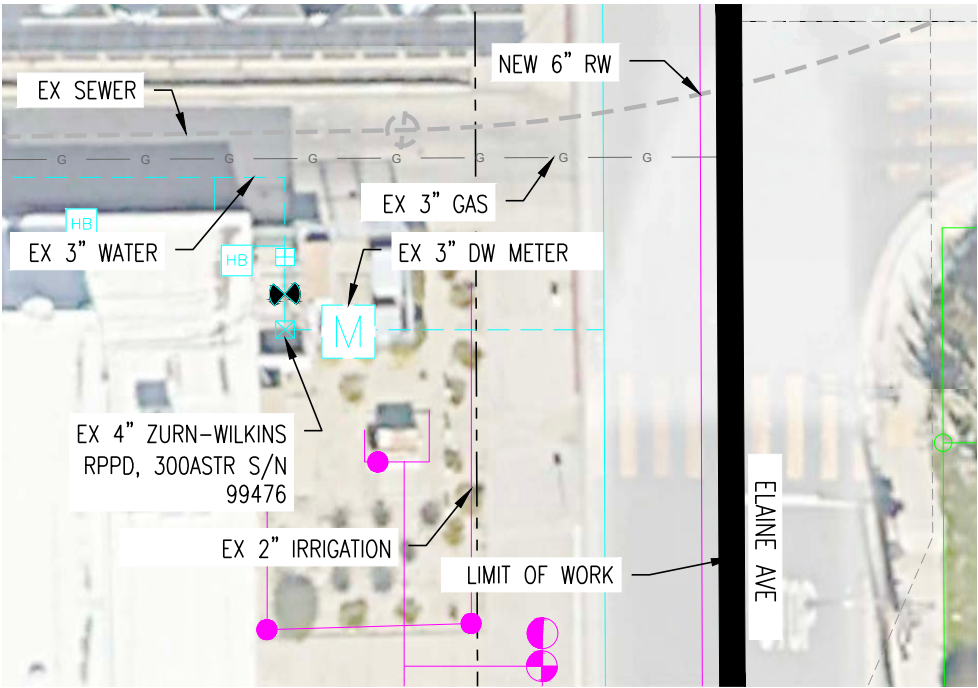
IRRIGATION MODIFICATION

SCALE: 1"=20'



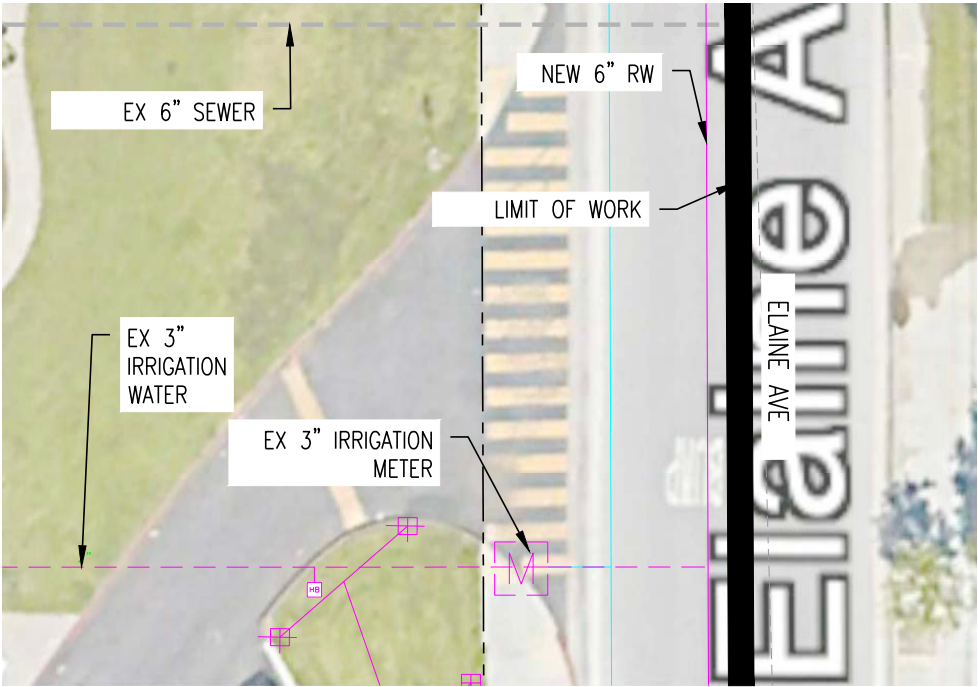
OFFSITE CONNECTION DETAIL

SCALE: 1"=20'



EXISTING DOMESTIC WATER SERVICE CONNECTION

SCALE: 1"=20'



RECYCLED WATER IRRIGATION METER REPLACEMENT DETAIL

SCALE: 1"=20'

NOTE:
DISCONNECT EXISTING IRRIGATION METERS AND
CONNECT TO NEW RW LATERALS.
CAP DW LATERALS AT THE MAINLINE.

LEGEND

- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- EXISTING GAS LINE
- EXISTING SEWER LINE
- EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE

EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP
- HOSE BIBB IN WALL
- BATHROOMS
- BOTTLE FILLER
- HAND WASHING STATION

NEW RW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE
- REMOTE CONTROL VALVE
- MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE
- WATER METER
- PRESSURE REDUCER
- MASTER VALVE
- RECYCLED WATER SIGN
- WATER PUMP
- RPPD BACKFLOW PREVENTER
- END CAP
- LOW VOLUME CONTROL ZONE KIT
- RAINBIRD TREE BUBBLER
- TORO STRIP SPRAY
- TORO SPRAY
- HUNTER SPRAY
- HUNTER ROTOR
- NETAFIM DRIPPERLINE W/ CHECK VALVE
- LEEMCO PIPE TO PIPE RESTRAINT
- LEEMCO SELF-RESTRAINED FITTING



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SHEET No. 32 OF 37

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1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM	DATE: 05/01/2024
DRAWN BY: CM/KK/RSM	DATE: 05/02/2024
CHECKED BY: JDM	DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

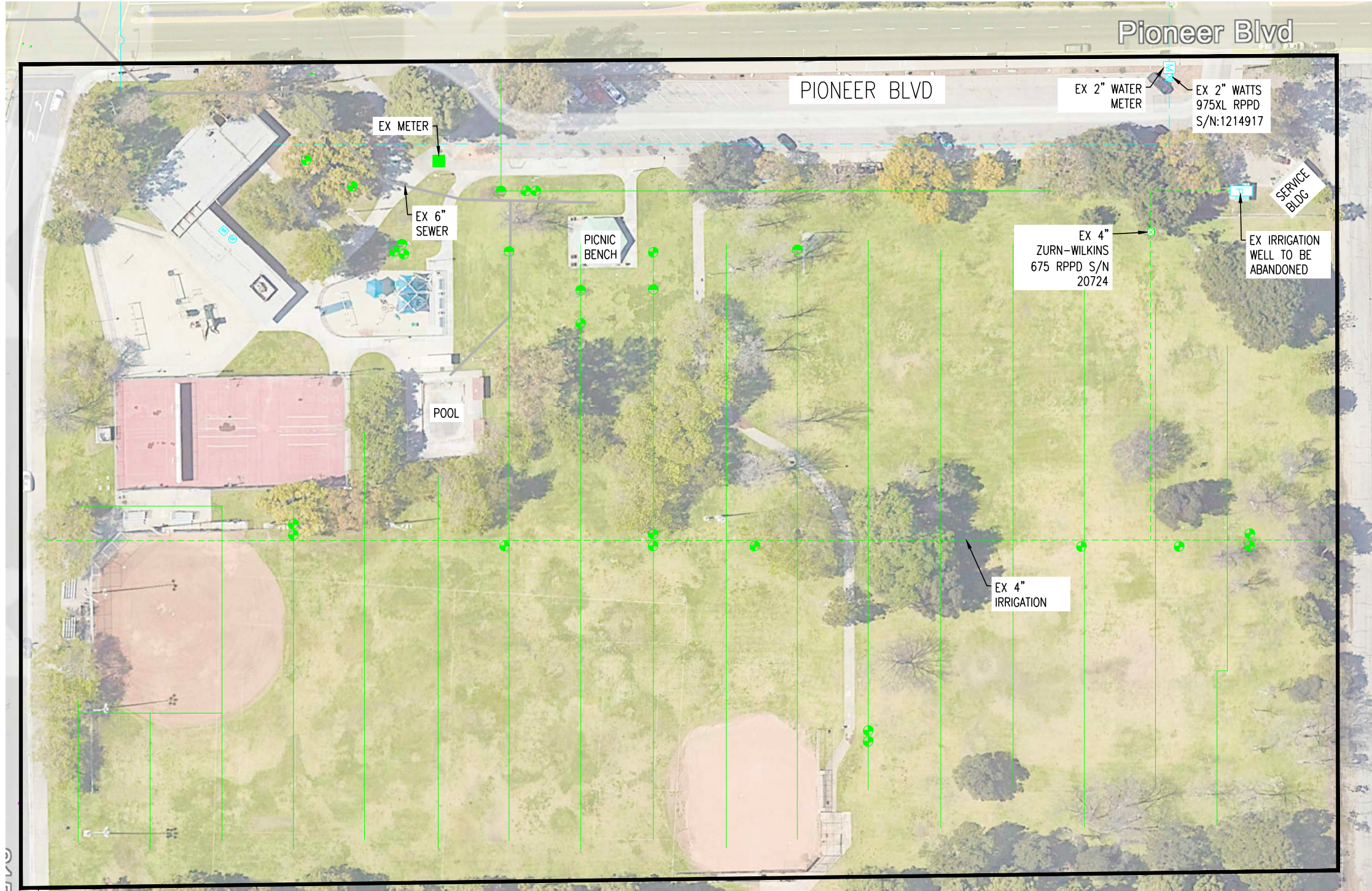
PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #6: FEDDE MIDDLE SCHOOL
21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716
CONVERSION PLAN

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LEGEND

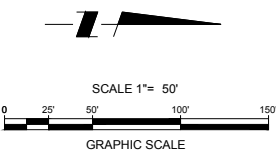
- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
- EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
- EXISTING DOMESTIC IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER IRRIGATION MAIN LINE
- EXISTING RECYCLED WATER MAIN LINE
- NEW RECYCLED WATER IRRIGATION MAIN LINE
- FW EXISTING FIRE PROTECTION SERVICE MAIN LINE
- LIMIT OF WORK
- G EXISTING GAS LINE
- SS EXISTING SEWER LINE
- SD EXISTING STORM DRAIN LINE
- RIGHT OF WAY
- PERIMETER FENCE

EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP
- HOSE BIBB IN WALL

EXISTING NPW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE
- REMOTE CONTROL VALVE
- 24 STATION IRRIGATION CONTROLLER
- MAINLINE GATE VALVE - RESILIENT WEDGE
- PRESSURE REGULATING RELIEF VALVE
- RPPD BACKFLOW PREVENTER
- WATER METER
- FLOW SENSOR ASSEMBLY
- ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER



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CENTRAL BASIN MUNICIPAL WATER DISTRICT

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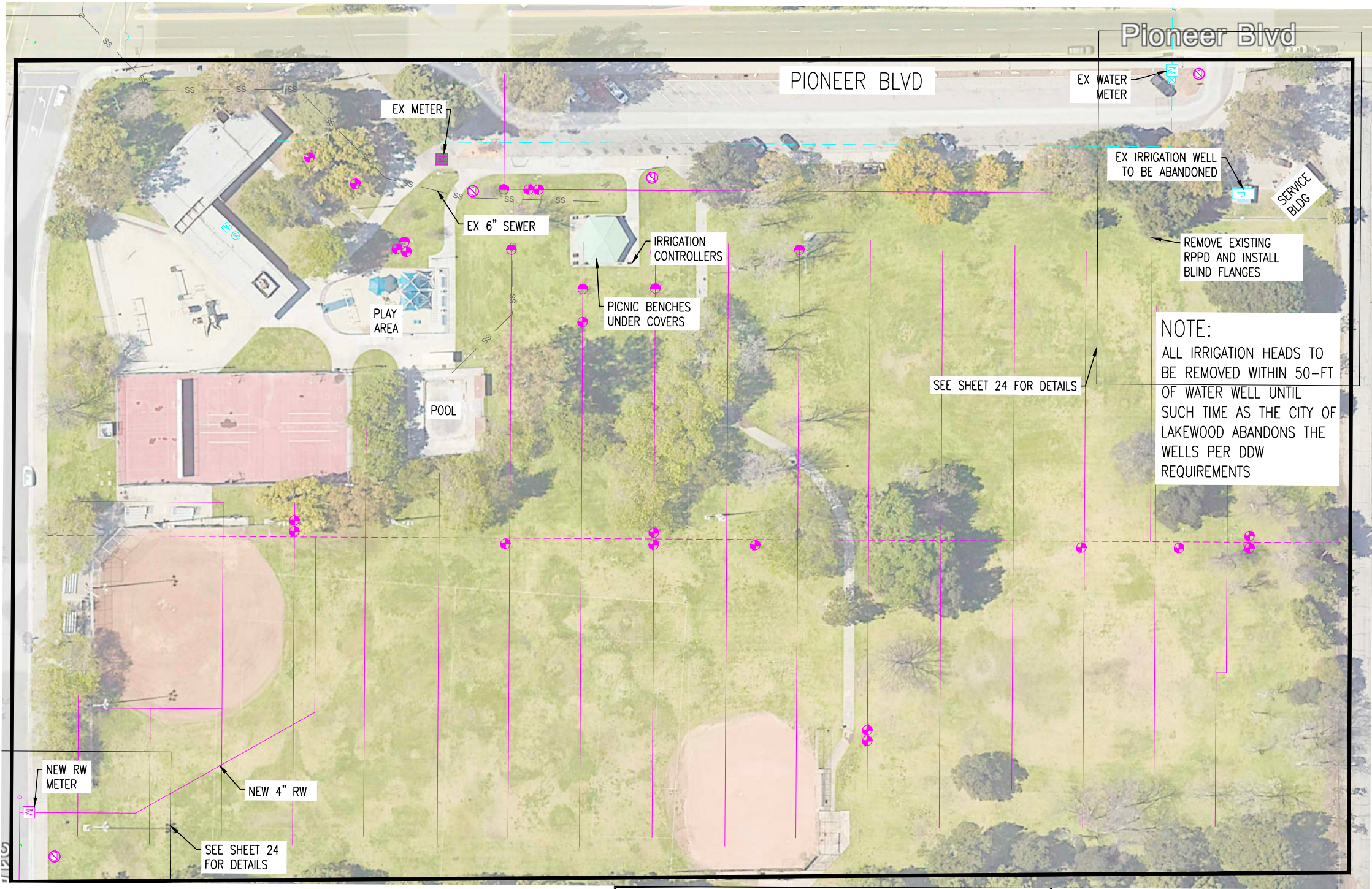
PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

SITE #7:BLOOMFIELD PARK
21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716
EXISTING SITE PLAN

DRAWING No.

C-33

SHEET No. 33 OF 37



- LEGEND**
- EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)
 - EXISTING DOMESTIC WATER MAIN LINE (ONSITE)
 - EXISTING DOMESTIC IRRIGATION MAIN LINE
 - EXISTING RECYCLED WATER IRRIGATION MAIN LINE
 - EXISTING RECYCLED WATER MAIN LINE
 - NEW RECYCLED WATER IRRIGATION MAIN LINE
 - EXISTING FIRE PROTECTION SERVICE MAIN LINE
 - LIMIT OF WORK
 - EXISTING GAS LINE
 - EXISTING SEWER LINE
 - EXISTING STORM DRAIN LINE
 - RIGHT OF WAY
 - PERIMETER FENCE

- EXISTING DW EQUIPMENT**
- RPPD BACKFLOW PREVENTER
 - WATER METER
 - DRINKING FOUNTAIN
 - WATER PUMP
 - HOSE BIBB IN WALL

- NEW RW IRRIGATION EQUIPMENT**
- QUICK COUPLING VALVE
 - REMOTE CONTROL VALVE
 - MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE
 - WATER METER
 - PRESSURE REDUCER
 - MASTER VALVE
 - FLOW SENSOR ASSEMBLY
 - RECYCLED WATER SIGN
 - WATER PUMP
 - RPPD BACKFLOW PREVENTER
 - END CAP

NOTE: ALL CONTROL VALVES TO BE TAGGED WITH RECYCLED WATER TAG

IRRIGATION CONTROLLERS SHALL BE LABELED WITH PURPLE NOTICE STICKERS.

NOTE: REPLACE ALL VALVE BOX LIDS WITH PURPLE LIDS. QUICK COUPLERS TO BE REPLACED WITH ACME THREAD QUICK COUPLERS WITH PURPLE HEADS OF EQUIVALENT SIZE.

SCALE: 1"=50'

811

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1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

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APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

SITE #7: BLOOMFIELD PARK
21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716
CONVERSION PLAN

DRAWING No.

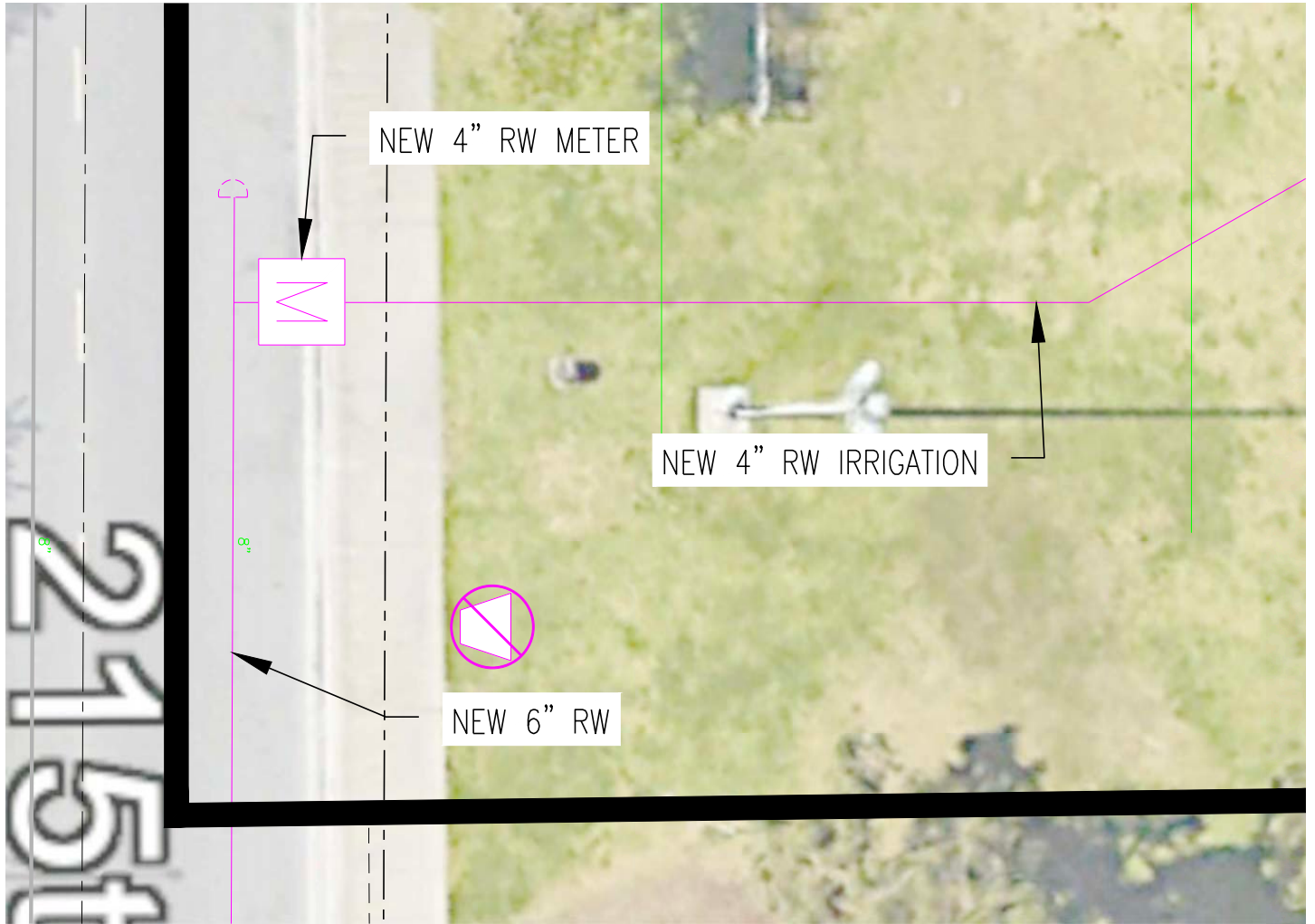
C-34

SHEET No. 34 OF 37

XXXX



METER DETAIL
SCALE: 1"=10'



OFF-SITE CONNECTION DETAIL
SCALE: 1"=20'

P:\JOBS\1432301\CAD\SHEETS\OFFSITE\1432301 C35 BLOOMFIELD DTL.dwg

REV	DATE	BY	DESCRIPTION	APPD



PLANS PREPARED BY:

VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY:	JDM	DATE:	05/01/2024
DRAWN BY:	CM/KK/RSM	DATE:	05/02/2024
CHECKED BY:	JDM	DATE:	05/03/2024
APPROVED:	ELAINE JUNG, INTERIM GENERAL MANAGER	DATE:	

CENTRAL BASIN MUNICIPAL WATER DISTRICT
P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES
SITE #7: BLOOMFIELD PARK
21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716
CONSTRUCTION DETAILS



Know what's below.
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DRAWING No.

C-35

SHEET No. 35 OF 37

XXXXXX

SaveDate: 7/22/2024 8:01 AM

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LOS ANGELES COUNTY • DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH



CROSS CONNECTIONS AND WATER POLLUTION CONTROL PROGRAM
3550 Commerce Drive, Baldwin Park, CA 91786-1423
TEL (626) 439-5239 FAX (626) 813-3025

GUIDELINES FOR PIPELINE CONSTRUCTION AND INSTALLATION -
FOR THE SAFE USE OF RECYCLED / RECLAIMED WASTEWATER

PURPOSE: As a result of increasing availability of recycled / reclaimed wastewater and an increased need for the transmission and use thereof, the Department of Public Health – Environmental Health (the Department) has found it necessary to establish the following regulations for pipeline construction and installation as well as for the safe use of recycled / reclaimed wastewater. These regulations are intended to protect public health by ensuring the safety of our domestic potable water supplies.

BACKGROUND: A recent increase in the number of inquiries and interest displayed regarding the use of recycled / reclaimed water, in the ongoing efforts to conserve water, have necessitated the need to establish definitions, standards and regulation for the uniform review and approval of recycled / reclaimed wastewater. Recycled / reclaimed water may be used for surface irrigation of the following: food crops; parks and playgrounds; school yards; residential landscaping; and unrestricted access golf courses.

DEFINITIONS:

Gray Water means untreated wastewater that has not come into contact with toilet waste, kitchen sink waste, dishwasher waste or similarly contaminated sources. Gray water includes water from bathtubs, showers, bathroom wash basins, clothes-washers and laundry tubs.

Non-Potable Water means water which is unfit for human or animal consumption due to contaminants that exceed the current permissible Maximum Contaminant Level (MCL) in drinking water.

Potable Water means water which is fit for consumption by humans and other animals. The U.S. Environmental Protection Agency (EPA) identifies contaminants that may adversely affect public health and occur in drinking water with a frequency and at levels that pose a threat to public health. The EPA establishes (MCLs) for both biological and chemical contaminants permissible in drinking water. These MCLs become enforceable standards that determine the potability of water.

Recycled / Reclaimed Water means non-potable water that meets or as a result of treatment, meets federal requirements for its intended uses. The level of treatment and quality of the reclaimed / recycled water shall be approved by the Authority Having Jurisdiction. Reclaimed / recycled water systems shall have no connection to any potable water system, with or without mechanical backflow prevention devices.

Revised 09/22/09

LAUSD–RECYCLED WATER GENERAL NOTES

1. THE RECYCLED WATER SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE LOS ANGELES UNIFIED SCHOOL DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
2. USE OF RECYCLED WATER SHALL ADHERE TO TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, ORDINANCES, REGULATIONS AND SPECIFICATIONS OF THE DISTRICT.
3. LOS ANGELES UNIFIED SCHOOL DISTRICT REQUIRES THAT A PRECONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE LOS ANGELES UNIFIED SCHOOL DISTRICT'S FIELD ENGINEERING DEPARTMENT AT (213)241-0482.
4. THE LOS ANGELES UNIFIED SCHOOL DISTRICT OPERATION DEPARTMENT SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (323)224-4500. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
5. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED. FINES MAY BE LEVIED. 6. NON–DESIGNATED USE AREAS SHALL BE PROTECTED FROM CONTACT WITH RECYCLED WATER, CAUSED BY WINDBLOWN SPRAY, IRRIGATION DESIGN OR UNAUTHORIZED USE. LACK OF PREVENTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE, OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.
7. RECYCLED WATER IRRIGATION CANNOT BE USED IN THE VICINITY OF WATER RECREATION AREAS, WHERE RECYCLED WATER MIST CAN CONTACT WATER RECREATION AREAS.
8. HOSE BIBBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS.
9. FOOD PREPARATION, OUTDOOR EATING AREAS, AND DESIGNATED CHILDREN PLAY EQUIPMENT MUST NOT BE SUBJECTED TO RECYCLED WATER OVERSPRAY, RUNOFF OR PONDING. TYPICAL WAYS OF ACCOMPLISHING THIS IS BY SELECTION OF LANDSCAPE MATERIALS OR BY DESIGN SUCH AS UTILIZING LOW TRAJECTORY ROTORS OR BUBBLER IRRIGATION.
10. NO PONDING, RUNOFF OR OVERSPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO MINIMIZE OVERSPRAY ONTO SIDEWALKS, STREETS DRINKING AND DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, PICNIC TABLES, BBQ, PRIVATE LOTS, ETC.
11. ALL ON–SITE RECYCLED WATER PIPING INSTALLED ON THIS PROJECT SHALL BE PURPLE IN COLOR, PANTONE 522C AND IDENTIFIED IN ACCORDANCE WITH THE CURRENT CDPH GUIDELINES AND LOS ANGELES UNIFIED SCHOOL DISTRICTS STANDARDS AND SPECIFICATIONS.
12. SIGNS OR DECALS WITH "RECYCLED WATER, DO NOT DRINK" AND THE DO NOT DRINK SYMBOL MUST BE POSTED ON PUMP CABINETS AND CONTROLLER STATIONS. RECYCLED WATER SPRINKLERS / SPRAY HEADS MUST HAVE PURPLE CAPS, PURPLE COLLARS, AND THE RISERS HAVE A RECYCLED WATER DECAL. LARGE THROW HEADS MUST HAVE PURPLE INSERTS. PURPLE CAPS AND COLLARS MUST BE FIRMLY AFFIXED TO SPRINKLER HEADS. ALL OTHER ABOVE GROUND EQUIPMENTS MUST BE COLORED PURPLE OR HAVE A "RECYCLED WATER, DO NOT DRINK" DECAL OR SIGN.
13. INSTALL SIGNAGE REGARDING RENOVATION OF EXISTING IRRIGATION SYSTEM. SIGNAGE SHOULD BE IN LOCATION WHERE IT WILL BE EASILY SEEN BY ANYONE THAT WILL BE DOING WORK ON THE SYSTEM

RECYCLED/RECLAIMED WASTEWATER SYSTEMS SHALL BE CONSTRUCTED IN COMPLIANCE WITH APPLICABLE POTABLE WATER SYSTEM CONSTRUCTION STANDARDS AS WELL AS THOSE SPECIFIED IN "THE PURPLE BOOK", CALIFORNIA HEALTH LAWS RELATED TO RECYCLED WATER, (CALIFORNIA HEALTH AND SAFETY CODE, WATER CODE, TITLES 22 AND 17 OF THE CALIFORNIA CODE OF REGULATIONS) AND THE LOS ANGELES COUNTY CODE (LACC), TITLE 28 - PLUMBING, APPENDIX J.

PRELIMINARY REQUIREMENTS

- PLANS AND SPECIFICATIONS FOR RECYCLED / RECLAIMED WASTEWATER DISTRIBUTION SYSTEMS, AS WELL AS THE USE AND OPERATION OF SUCH SYSTEMS SHALL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OR IMPLEMENTATION.
- PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE DEPARTMENT TO SCHEDULE AN INSPECTION OF THE PROPOSED ON–SITE RECYCLED / RECLAIMED AND POTABLE WATER WORK.
- NO PIPING FOR POTABLE OR RECYCLED / RECLAIMED WATER IN CONJUNCTION WITH A SPECIFIED PROJECT SHALL BE INSTALLED PRIOR TO PLAN CHECK APPROVAL AND PRELIMINARY INSPECTION.
- UPON COMPLETION OF CONSTRUCTION, NO EXCAVATION OR OPEN TRENCH MAY BE BACKFILLED WITHOUT FIRST SECURING THE DEPARTMENT APPROVAL. ANY AREAS BACKFILLED WITHOUT PRIOR APPROVAL WILL BE EXPOSED AND CORRECTED AS NECESSARY.
- ONLY A DEPARTMENT APPROVED TEMPORARY WATER CONNECTION, TO A POTABLE WATER SUPPLY VIA A DEDICATED, APPROVED, REDUCED–PRESSURE–PRINCIPLE BACKFLOW PREVENTION DEVICE SHALL BE PERMITTED TO BE UTILIZED FOR THE PURPOSE OF FLUSHING, PRESSURE TESTING, CONSTRUCTION, LANDSCAPING USE OR THE FINAL CROSS–CONNECTION TESTING.

SEPARATION REQUIREMENTS

THE MAXIMUM ATTAINABLE SEPARATION OF RECYCLED / RECLAIMED WASTEWATER LINES AND POTABLE WATER LINES SHALL BE ENFORCED IN ORDER TO MINIMIZE POTENTIAL RISKS ASSOCIATED WITH PIPELINE BREAKS RESULTING IN INFILTRATION OF WASTEWATER FROM LEAKING WASTEWATER LINES INTO DOMESTIC WATER LINES, OR ACCIDENTAL CROSS–CONNECTIONS BETWEEN RECYCLED WASTEWATER AND POTABLE WATER SYSTEMS.

- **PARALLEL CONSTRUCTION:** A HORIZONTAL SEPARATION OF AT LEAST TEN FEET (10') SHALL BE REQUIRED BETWEEN PRESSURIZED, BURIED, RECYCLED / RECLAIMED AND POTABLE WATER PIPING (ALL DISTANCE TO BE MEASURED FROM PIPELINE OUTSIDE DIAMETER).
- **CROSS–OVER CONSTRUCTION:** BURIED POTABLE WATER PIPES CROSSING OVER PRESSURIZED RECYCLED / RECLAIMED WATER PIPES SHALL BE LAID NOT LESS THAN TWELVE INCHES (12") ABOVE THE RECLAIMED WATER PIPES. RECLAIMED WATER PIPES LAID IN THE SAME TRENCH OR CROSSING–OVER BUILDING SEWER OR DRAINAGE PIPING SHALL BE INSTALLED IN COMPLIANCE WITH THE LACC – TITLE 28, PLUMBING, SECTIONS 609.0 AND 720.0.
- **UNUSED OR ABANDONED POTABLE WATER LINES:** THESE LINES ARE TO BE SEVERED AS CLOSE TO WATER MAINS AS PRACTICAL, CAPPED, AND A TEN FOOT (10') SECTION OF ABANDONED LINE REMOVE AND CEMENTED UNDER DIRECT SUPERVISION BY THE DEPARTMENT.
- **EXISTING ONSITE PIPING:** MAXIMUM SEPARATION OF RECYCLED / RECLAIMED WATER LINES AND POTABLE

PIPELINE MATERIALS AND IDENTIFICATION

ALL RECYCLED / RECLAIMED WATER PIPE MATERIALS, VALVES AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE LACC – TITLE 28, PLUMBING, SECTIONS 604.0, 605.0 AND 606.0

ALL RECYCLED / RECLAIMED WASTEWATER LINES (PRESSURE / NON–PRESSURE), VALVE BOXES, HYDRANTS AND APPURTENANCES SHALL BE IDENTIFIED TO CLEARLY DISTINGUISH BETWEEN RECYCLED / RECLAIMED WASTEWATER, NON–POTABLE AND POTABLE WATER SYSTEMS (AS SPECIFIED IN LACC – TITLE 28, PLUMBING, APPENDIX J).

- **RECYCLED / RECLAIMED WASTEWATER:** ALL BURIED, RECYCLED, WASTEWATER SYSTEMS (PRESSURE / NON–PRESSURE) SHALL UTILIZE PURPLE PIPE WITH BLACK UPPERCASE LETTERING "CAUTION: RECYCLED WATER – DO NOT DRINK" PRINTED ON OPPOSITE SIDES OF THE PIPE. FOR LIMITED APPLICATION, THE USE OF CONTINUOUS LETTERING ON THREE INCH (3") MINIMUM WIDTH PURPLE TAPE WITH ONE INCH BLACK OR WHITE CONTRASTING UPPERCASE LETTERING "CAUTION RECYCLED WATER – DO NOT DRINK" PERMANENTLY AFFIXED AT INTERVALS NOT TO EXCEED FIVE FEET, ATOP ALL HORIZONTAL PIPING, LATERALS AND MAINS. IDENTIFICATION TAPE SHALL EXTEND TO ALL VALVE BOXES AND / OR VAULTS, EXPOSED PIPING, HYDRANTS AND QUICK COUPLERS. ALL VALVES , EXCEPT FIXTURE SUPPLY CONTROL VALVES SHALL BE EQUIPPED WITH A LOCKING FEATURE. ALL MECHANICAL EQUIPMENT THAT IS APPURTENANT TO THE RECYCLED / RECLAIMED WATER SYSTEM SHALL BE PAINTED PURPLE.
- **POTABLE WATER:** ALL POTABLE WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE AND ALL OTHER APPLICABLE POTABLE WATER SYSTEM CONSTRUCTION STANDARDS. ALL BURIED POTABLE WATER LINES SHALL BE CLEARLY IDENTIFIED BY CONTINUOUS LETTERING ON THREE INCH (3") MINIMUM WIDTH BLUE TAPE WITH ONE INCH (1") WHITE LETTERING BEARING THE REPEATED WORDING "POTABLE WATER" PERMANENTLY AFFIXED AT TEN FOOT INTERVALS ATOP ALL HORIZONTAL PIPING, LATERALS AND MAINS. IDENTIFICATION TAPE SHALL EXTEND TO ALL VALVE BOXES AND / OR VAULTS, EXPOSED PIPING AND HYDRANTS. IDENTIFICATION TAPE IS NOT NECESSARY FOR EXTRUDED COLORED PVC WITH CONTINUOUS WORDING "POTABLE WATER" PRINTED IN CONTRASTING LETTERING ON OPPOSITE SIDES OF THE PIPE.

(E.G. MAIN CONTROLLER/ SHUT OFF VALVE). SIGN SHOULD STATE THAT RECYCLED WATER IS USED ON SITE AND DHS AND DWP (OR LOCAL WATER PURVEYOR) MUST BE NOTIFIED PRIOR TO ANY RENOVATION ON THE EXISTING SYSTEM.

14. ALL VALVE CAPS FOR ON–SITE BURIED GATE VALVES SHALL BE TRIANGULAR IN SHAPE WITH THE WORDS "RECYCLED WATER" THEREON PER STANDARD DRAWING IRR–016.
15. WARNING TAPE FOR THE RECYCLED WATER PIPING SHALL BE PURPLE IN COLOR, PANTONE 522C, WITH THE WORDS "CAUTION: RECYCLED WATER" IMPRINTED IN MINIMUM 1 INCH HIGH LETTERS BLACK IN COLOR. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT. WARNING TAPE SHALL BE METALLIC AND DETECTABLE.
16. ALL AUTOMATIC CONTROLLERS MUST BE SET TO OPERATE BETWEEN THE HOURS OF 9:00 P.M. AND 4:00 A.M. UNLESS OTHERWISE PERMITTED BY THE DISTRICT.
17. WARNING SIGNS AND LABELS SHALL READ "CAUTION: RECYCLED WATER DO NOT DRINK", AND HALL BE IN BOTH ENGLISH AND IN SPANISH. THE SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL FOR DO NOT DRINK. THE DESIGN LOCATION FOR WARNING SIGNS SHALL BE CALLED OUT ON THE PLANS AT ALL DRIVEWAY ENTRANCES, WALKWAY ENTRANCES, RECYCLED WATER METERS AND POSTED EVERY 500' ALONG FENCE LINES. FINAL FIELD LOCATIONS SHALL BE AS DIRECTED BY THE DISTRICT REPRESENTATIVE AND ASBUILT.
18. WHEN POTABLE WATER IS ONSITE, THE REQUIRED DEPARTMENT OF HEALTH TITLE 22 CROSS CONNECTION SHUTDOWN TEST SHALL PRECEDE THE FINAL RELEASE OF THE IRRIGATION SYSTEM. THIS TEST WILL BE CONDUCTED BY LAUSD'S WATER OPERATIONS DEPARTMENT.
19. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS AND ANY WATER WELLS AND WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.
20. FUTURE RECYCLED WATER IRRIGATION SYSTEMS MUST BE COMPLETELY SEPARATED FROM THE DOMESTIC POTABLE SYSTEM. ALL TEMPORARY POTABLE CONNECTIONS FOR CONSTRUCTION OR IRRIGATION MUST BE HIGHLIGHTED FROM AN ALTERNATE POTABLE SOURCE ONLY AS APPROVED BY THE DISTRICT. SAID CONNECTION MUST BE MADE THROUGH A T–METER AND AN APPROVED ABOVE GROUND REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICE WITHIN 3 FEET OF METER. NO PURPLE COLORED PIPING OR APPURTENANCES SHALL BE CONNECTED TO ANY POTABLE WATER SOURCE.
21. APPROVED REDUCED PRESSURE PRINCIPAL BACKFLOW DEVICES (RP) MUST BE THE SAME NOMINAL SIZE AS THE METER. APPROVED BACKFLOW DEVICES (RP) MUST BE TESTED BY AN LOS ANGELES UNIFIED SCHOOL DISTRICT APPROVED BACKFLOW TESTER (A LIST OF APPROVED TESTERS IS AVAILABLE UPON REQUEST).
22. ANY PROPOSED CHANGES TO A SYSTEM DURING CONSTRUCTION MUST BE SUBMITTED TO LOS ANGELES UNIFIED SCHOOL DISTRICT'S ENGINEERING DEPARTMENT FOR AUTHORIZATION OF CHANGES.
23. UPON FINAL ACCEPTANCE OF AN IRRIGATION SYSTEM, ANY FUTURE MODIFICATIONS MUST BE APPROVED THROUGH LAUSD OPERATIONS AND MAINTENANCE DEPARTMENT PRIOR TO THE START OF CONSTRUCTION.

- **Non-Potable Water:** All non-potable irrigation / industrial water lines (pressure / non-pressure) shall be identified by continuous lettering on three inch (3") minimum width tape with one inch (1") contrasting lettering bearing the continuous uppercase lettering "NON-POTABLE WATER – DO NOT DRINK" permanently affixed at ten foot (10') intervals atop all horizontal piping, laterals and mains. Identification tape shall extend to all valve boxes and / or vaults, exposed piping, hydrants and quick couplers. Exposed piping, valve boxes, vaults, control valves, quick coupling valves, outlets and related appurtenances shall be color-coded and labeled / tagged to differentiate between recycled / reclaimed wastewater, potable water and non-potable water systems. Tags identifying recycled / reclaimed water shall have the appropriate identification on both sides (wording on one side and symbol on the opposite side).



THE SAFE USE OF RECYCLED / RECLAIMED WATER
PROTECTS POTABLE WATER

- Deteriorated or inadequately-protected well water casings shall be repaired or replaced to protect aquifers against contamination from recycled / reclaimed wastewater systems.
- An On-Site Water Supervisor shall be appointed, having the responsibility of oversight for the protection of the potable water system (provided for under Title 17, Section 7586, and California Code of Regulations). The name and position of the On-Site Water Supervisor shall be reported to the water purveyor and to the Department. This position will be responsible for the installation, operation and maintenance of the recycled / reclaimed wastewater and potable water systems; authorization of any piping changes or additions to either the potable or recycled systems; prevention of potential hazards; implementation of the regulations; and coordination with the Cross-Connection Program of the water purveyor and of this Department.
- Hose bibbs shall not be permitted in any areas of public access to recycled / reclaimed wastewater systems, to prevent unauthorized use of recycled wastewater. Quick-couplers are permitted in lieu of hose-bibb outlets but shall only be connected to recycled / reclaimed wastewater lines. Hose bibs may be permitted in areas that are not accessible to the public, provided they are properly identified with permanently affixed tags, labels, or plates with uppercase lettering "RECYCLED WATER – DO NOT DRINK" in English.



24. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR IRRIGATION PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC. COMMUNITY OUTREACH SHALL BE PROVIDED TO INFORM THE COMMUNITY ON THE APPROVED USE OF RECYCLED WATER.
25. IN CASE OF EMERGENCY, CONTACT _____ AT _____
NAME PHONE NO.
OR AFTER HOURS, CONTACT _____ AT _____
NAME PHONE NO.
26. AN ON–SITE USER/SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. SAID PERSON IS REQUIRED TO PROVIDE A 24 HOUR CONTACT PHONE NUMBER AND ATTEND APPROVED SITE SUPERVISOR CLASS. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO LOS ANGELES UNIFIED SCHOOL DISTRICT.
27. LOCKABLE QUICK COUPLER VALVES FOR RECYCLED WATER SHALL BE NELSON 7645, OR APPROVED EQUAL, WITH BRASS CONSTRUCTION AND WITH A SPECIAL QUICK COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE. QUICK COUPLING VALVES SHALL BE OF A TYPE APPROVED FOR RECYCLED WATER USE. QUICK COUPLER VALVES CANNOT BE LOCATED WITHIN 50 FEET OF FOOD PREPARATION, OUTDOOR EATING AREAS, OR DESIGNATED CHILDREN PLAY EQUIPMENT OR WITHIN THE FENCED PERIMETER SURROUNDING SWIMMING POOLS. PRIOR TO THE FINAL COVERAGE TEST, ONE (1) COMPLETE SET OF LAMINATED CONTROLLER CHARTS AND IRRIGATION AS–BUILT DRAWINGS SHALL BE PROVIDED TO THE DISTRICT. AT THE DISTRICT'S DISCRETION, A SECOND COPY OF CONTROLLER CHARTS SHALL BE PLACED IN THE ONTROLLER CABINET.
28. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATED AREA. POTABLE QUICK COUPLERS SHALL BE THE LUG TYPE.
29. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "CAUTION: RECYCLED WATER DO NOT DRINK" IN ENGLISH AND SPANISH, WITH BLACK LETTERS AT LEAST 1 INCH HIGH ON A PURPLE BACKGROUND AND WITH A "DO NOT DRINK" SYMBOL SIGN. THE SIGNS SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
30. INTERCONNECTION OF IRRIGATION PRESSURE SUPPLY LINES ORIGINATING FROM MORE THAN ONE METER IS STRICTLY PROHIBITED. FAILURE TO COMPLY WITH THESE NOTES AND THE DISTRICT'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.



Know what's below.
Call before you dig.

DRAWING No.

C-36

SHEET No. 36 OF 37

CENTRAL BASIN MUNICIPAL WATER DISTRICT

P.O. BOX 911579
COMMERCE, CA 90040-2512
PHONE: (323) 201-5500

PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES

LACDPH REQUIREMENTS, LAUSD
GENERAL NOTES



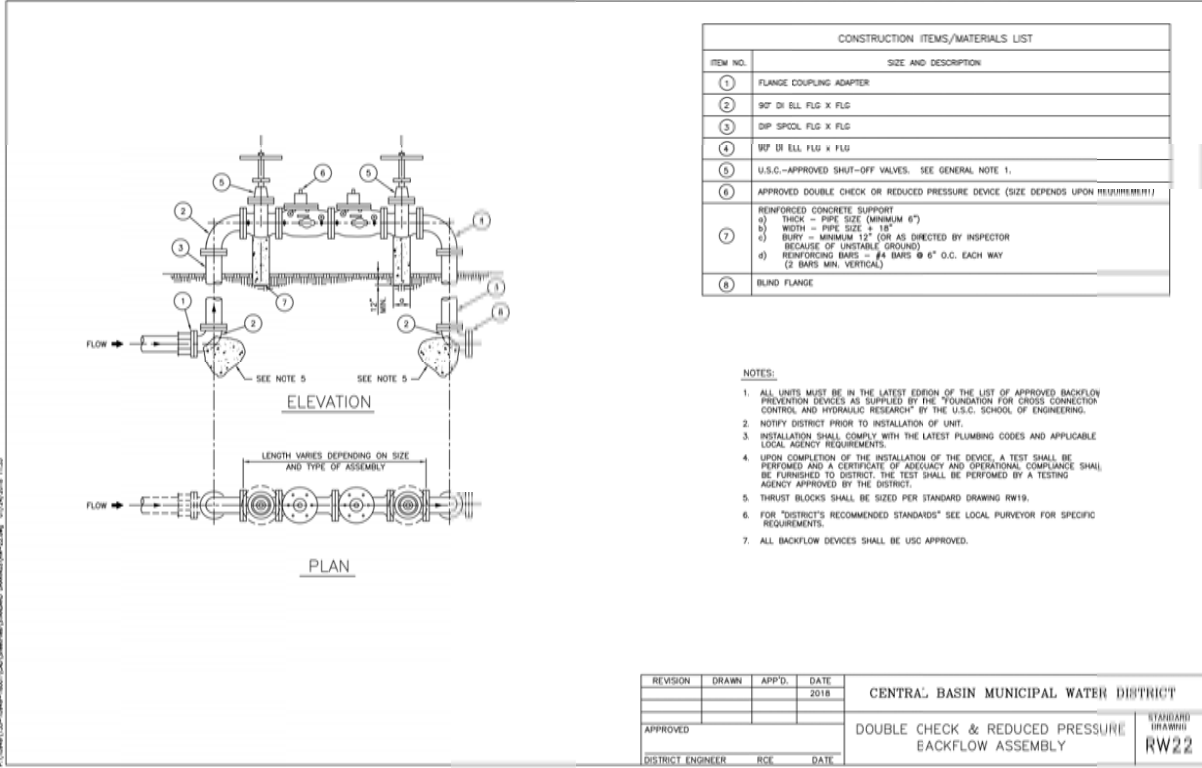
PLANS PREPARED BY:



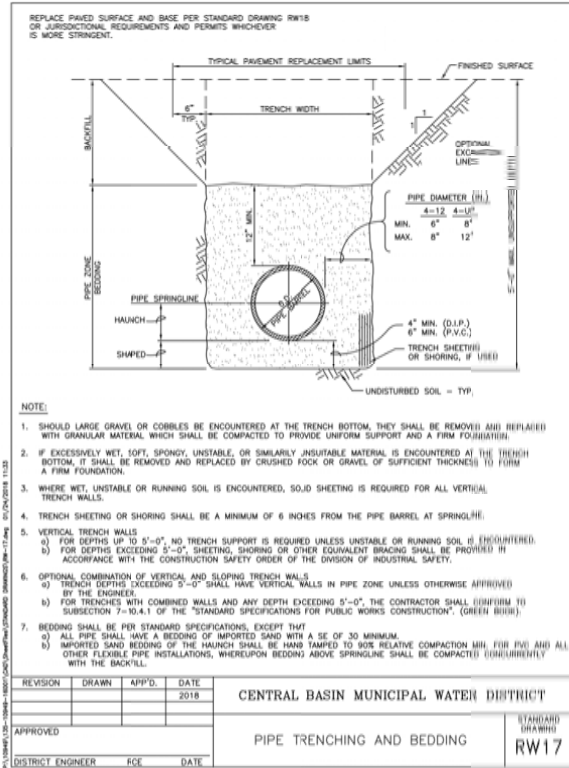
VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 15TH STREET, UNIT G, UPLAND, CA 91786
PHONE: (909) 982-4601

DESIGNED BY: JDM DATE: 05/01/2024
DRAWN BY: CMKK/RSM DATE: 05/02/2024
CHECKED BY: JDM DATE: 05/03/2024
APPROVED: ELAINE JUNG, INTERIM GENERAL MANAGER DATE:

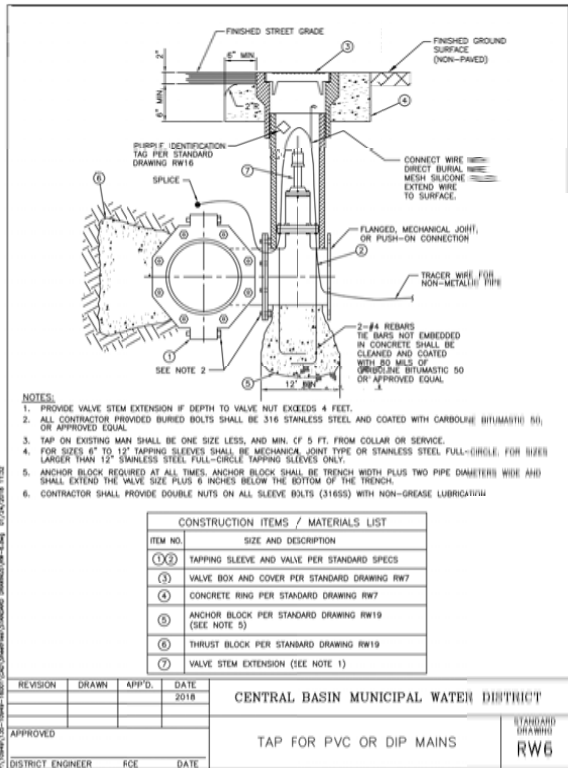
REV	DATE	BY	DESCRIPTION	APPD



DOUBLE CHECK AND REDUCED PRESSURE BACKFLOW ASSEMBLY DETAIL
N.T.S.



PIPE TRENCHING AND BEDDING DETAIL
N.T.S.



TAPPING VALVE DETAIL
N.T.S.

REV	DATE	BY	DESCRIPTION	APP'D.



PLANS PREPARED BY:

VALUED
ENGINEERING, INC.
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
1529 W. 13TH STREET, UNIT G, UPLAND, CA 91786
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CENTRAL BASIN MUNICIPAL WATER DISTRICT

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PHONE: (323) 201-5500

**PROP 1 RECYCLED WATER CUSTOMER CONVERSION
FOR DISADVANTAGED COMMUNITIES**

DETAILS



DRAWING No.

C-37

SHEET No. 37 OF 37

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